

AFOEHL REPORT 90-045EQ00047DSC



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Combined Wastewater Characterization and Hazardous Waste Survey
Davis-Monthan AFB AZ

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**April 1990** 

**Final Report** 



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AF Occupational and Environmental Health Laboratory (AFSC)
Human Systems Division
Brooks Air Force Base, Texas 78235-5501

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ROBERT D. BINOVI, Lt Col, USAF, BSC Chief, Environmental Quality Division

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Recommendations include (1) some separators need cleaning and proper disposal of the contents, (2) action to change phenol analysis method for compliance monitoring should continue, (3) continue restrictions on use of compounds containing forms of phenols, (4) design of pretreatment system should include processes for the removal of metals and priority organic compounds, and (5) eliminate the discharge of Rinsolve 140 to the sanitary sewer system, as it may be contributing to the apparent phenolic concentrations determined by EPA Method 420. (Sixo)

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### I. INTRODUCTION

On 12 May 1989, HQ TAC/SGPB sent a message requesting AFOEHL conduct a basewide wastewater characterization study at the earliest possible date. The study was needed to support a Military Construction Project (MCP) to construct a wastewater treatment plant needed to meet the Pima County Discharge Ordinance Industrial Wastewater Discharge Limits. A request for a waste minimization survey at ALC/AMARC had also been received by AFOEHL and combined into the scope of this survey.

The objectives of the survey were to determine the sources of phenols in the wastewater through sampling and hazardous waste surveys, provide basic design data, and perform a waste minimization survey at AMARC as requested.

The survey was conducted from 19 June to 7 July 1989 by the following members of the Environmental Quality Branch, Consultant Services Division:

LTC Robert Binovi Cpt David Goldblum 1Lt Shelia Scott 1Lt Charles Attebery 2Lt Nancy Hedgecock MSgt John Randall MSgt Ben Hernandez SSgt Mary Fields SSgt Roberto Rolon Sgt Pete Davis

#### II. DISCUSSION

### A. Background

#### 1. Base Description

Davis-Monthan AFB, the home of the 355th Tactical Training Wing, located near Tucson, in the eastern portion of Pima County, in the southern part of the State of Arizona. Base population is about 10,000. The weather is characteristically sunny and hot. The average high temperature during the period of the survey was 103 degrees, the average low was 74 degrees, 0.05 inches of rain fell during this time? ame.

## 2. Wastewater Regulations

Pima County regulates the discharge of industrial wastewater by permit 2R 10760, which expired on 1 January 90. The permit regulates combined industrial and sanitary wastewater at manhole 111 (First St and Durango St), hospital wastewater at manhole 376, and combined sanitary and industrial wastewater from the Aerospace Maintenance and Regeneration Center (AMARC). Discharge limits are presented in Table 1.

Table 1. Pretreatment Discharge Limits

Parameters		MH 111	Location MH376	мн337
рН		6-9	6-9	6-9
Arsenic (	mg/L)	2.0	NR	2.0
Barium (	mg/L)	10.0	10.0	10.0
Cadmium (	mg/L)	0.1	NR	0.1
Chromium (	mg/L)	2.77	NR	2.77
Copper (	mg/L	2.7	NR	2.7
Lead (	mg/L	0.5	NR	0.5
Mercury (	mg/L	0.05	0.05	0.05
Nickel (	mg/L	3.98	NR	398
Silver (	mg/L)	NR	5.0	NR
Zinc (	(mg/L)	2.6	NR	2.6
Phenols (	mg/L)	0.05	0.05	0.05
Cyanide (	(mg/L)	1.0	NR	1.0
	.c Organics ods 624 & 625)	SNR	NR	SNR
Purgeable	Halocarbons	NR	SNR	NR
Biochemica	al Oxygen Demand	NR	SNR	NR
Chemical C	Oxygen Demand	NR	SNR	NR
Oil & Grea	ase (mg/L)	100	NR	NR

NOTE: NR = Sampling not required, no limits established SNR = Samples required, no limits established

The base has expended considerable effort in trying to meet the phenol and metals limits. The base banned the use of certain phenoxyl detergents and pine oil by stock number in an October 1986 836th AD/CC policy letter. (1) The base set up a system to test products for phenolic concentrations after it was issued a notice of violation for exceeding the limit. Despite these efforts, phenols were still exceeding Pima County pretreatment limits.

Controversy over which method of phenol analysis should be used to monitor compliance resulted in base and Pima County officials petitioning the State to change the method from EPA Method 420 to EPA Method 604. Their petition was denied, despite information from detergent and photographic manufacturers that the EPA Method is subject to false positive readings from petroleum hydrocarbons and hydroquinones.(2,3)

### 3. Previous Surveys

A study by CWC-HDR, Inc., Irvine, California (4) was conducted in the Spring of 1988 with the stated purpose of determining whether organic and phenol discharges to the sanitary sewer system are from readily identifiable sources, and whether source control or localized pretreatment plants can be utilized. Of particular concern to CWC-HDR were total phenols and total toxic organics as measured by EPA Methods 624 and 625. The report stated that Pima County Wastewater Management Department (PCWMD) had notified the base that no concentrations of total toxic organics would be permitted in the near future, and that the limitation of 50  $\mu g/L$  total phenol applies to the industrial wastewater discharge, and thus the discharge limitation should be adjusted downward to factor out the influence of domestic flow. Based on an assumed ratio of 50% domestic and 50% aircraft related flows, PCWMD proposed the limitation be reduced to 25 mg/L.

The contractor concluded that phenols were problematic throughout the system, with pentachlorophenol the most significant. Also total toxic organics were not present in high concentrations. Source control or separation of sources and treatment would not result in significant reduction of the phenol concentrations.

Specifically, from the Phoenix Street Sewer and Flight Line Sewer (AFOEHL sites 16-40), methylene chloride was entering between manholes 258 and 262. Trichloroethylene was entering between manholes 262 ND 267-B. Phenols were entering between manholes 258 and 267-B, with pentachlorophenol being found. The flight line was relatively free of toxic organics except for a sample found to have significant concentrations of methylene chloride and dichloroethylene from manhole 470. Contributions of organics after the confluence of the flight line and Phoenix Street sewers on First Street did not appear to be significant.

AMARC area (AFOEHL sites 50-59) had consistently low toxic organics and high phenolic concentrations. Pentachlorophenol was consistently found.

# B. AFOEHL Wastewater Characterization

## 1. Basis for Characterization

A characterization of Davis-Monthan AFB wastewater can be facilitated by comparing the characteristics to results from previous surveys at Davis-Monthan AFB and with similar surveys at other bases. The AFOEHL has performed more than twenty such characterizations in the past four years.

## 2. Flow Measurement

Flow rates are calculated using data collected with flumes and ISCO Automatic Flowmeters. Flume choice is predicated by the size of the sewer line. Survey flumes include; 6" Manning, 8" Manning, 12" Plastifab, and 15" Plastifab Palmer Bowlus flumes (PBF). PBFs are governed by the equation:

$$Q = kH \exp 1.9$$

The flow Q is in cubic feet per second (cfs). The head H is the height of water in the flume throat (narrow part) in feet. The scaling factor k is the maximum flow rate at the maximum flume fluid height and is dimensionless. The respective design flow equations along with the maximum heads are:

Palmer Bowlus Flow Equations

PBF	Equation	H max (ft)
6"	Q = 2.18  H exp  1.9	0.392
8"	Q = 2.60  H exp  1.9	0.525
12"	Q = 3.31  H exp  1.9	0.730
15"	Q = 3.79  H exp  1.9	0.910

The ISCO Flow Meter (Model 2870) measures the pressure head in a flume and integrates over time to determine flow. The meter also tabulates total volume. Average flow rates are calculated by dividing the total volume by the time interval, and converting the results into the appropriate flow rate units (cfs or gpd). The scaling constant is dialed onto a computer module which is attached to the flow meter. The scaling constants for the 6, 8, 12, and 15 inch flumes are 0.367, 0.764, 1.83, and 3.17 cfs, respectively. Figure 1 shows the meter set up at Site 16.

The flow through manholes 119, and 298 represent the total flow going off the base. Wastewater from AMARC, Frank-Borman Housing, and the Commissary flow through MH 298. Wastewater from the flightline, Hospital, Lowell-Smith Housing, Base Exchange (BX), BX Service Station, Burger King, as well as the intermediate area between 1st and 5th Streets flows through MH 119. Water meters (WM) were placed at the hose bibs of the aircraft washrack adjacent to MH 468. Flow monitoring sites are presented in Table 2.



Figure 1. Flow Meter Set Up At Site 16

Table 2. Flow Monitoring Sites

MH	LOCATION
17	Base Exchange (7th & Granite Sts.)
68	3rd & Durango Sts.
82	BX Service Station (Commanchee St.)
102	1st & Jeddito Sts.
<b>11</b> 5	1st & Bola Sts.
119	Sunglow Road
215	Commissary (7th & Arizola Sts.)
261	Transportation (Phoenix & Flagstaff Sts.)
276	41st Line (Phoenix St.)
298	Sunglow Road (Near Swan Gate)
315 <b>-</b> 0	Frank Borman Housing Softball Field
313	Frank Borman Housing open field (Quijota Blvd.)
342	AMARC
376	Hospital (Alamo Ave. & Oro St.)
411-A	Lowell Smith Housing (Ironwood St.)
458	Flight line (Phoenix & Douglas Sts.)
WM	Aircraft Washrack (Phoenix & Douglas Sts.

# 3. Wastewater Characterization Sampling

Wastewater sample site locations are presented in Table 3. These were selected to include regulated monitoring points, significant industrial and commercial discharge points, and operations possibly requiring pretreatment. Samples were taken continuously for at least 24 hours, some locations for multiple days, except at oil/water separator where a grab sample was twoically taken. Samples were taken with either ISCO or SIGMA wastewater sampling equipment. Samples were collected in 3-gallon glass containers, surrounded by ice in the wastewater sampler. The samples were transported to AFOEHL on-site laboratory set up in building 4819 and segregated by analysis method. A photograph of the on-site laboratory is included as Figure 2. Some analyses were performed on-site, others sent to AFOEHL, Brooks AFB, Texas. Analytical and preservation methods and analyzing laboratory locations are presented in Table 4.

Table 3. Sample Site Locations

Site Number	Main Base Sewers
1	MH 123 Near Swan Gate
2	MH 100 Arizola St.
3	MH 215 Commissary, bldg 2615
4	MH 77 Burger King, bldg 2521
5	MH 17 BX, bldg 2441
6	Laundromat, bldg 5000
7	MH 119 N. of North Ramp
8	MH 270C, Auto Hobby Shop, bldg 4531
9	MH 23, NCO Club, bldg 4455
10	Dining Hall, bldg 4100
11	o/w sep., GLCM AGE, Cor. Control, bldg 72
12	o/w sep., GLCM, bldg 73
13	o/w sep., GLCM, bldg 74
14	o/w sep., CAMS, Propulsion Washrack, bldg 1360
15	o/w sep., Entomology, bldg 5319

Site Number	Industrial Area Sewers
16	MH 115 First St.
17	MH 258 Phoenix St.
18	MH 274A S.E. Phoenix St.
19	23 CAMS Corrosion Control, bldg 5255
20	o/w sep., 41 ECS Engine Shop, bldg 133
21	o/w sep., Fire Station, bldg 4821
22	o/w sep., Bulk Storage, bldg 115
23	o/w sep., 41 ECS AGE shop, bldg. 125
24	o/w sep., Trans, Fire Truck Maint., bldg 4823
25	o/w sep., 355 AGS AMU, bldg 4809
26	o/w sep., 355 EMS AGE, bldg 4712
27	o/w sep., 836 TRANS Refueling Maint., bldg 4812
28	o/w sep., 836 TRANS Refueling Maint., bldg 4815
29	o/w sep., 355 EMS AGE, bldg 4712
30	o/w sep., 23 CAMS AC Maint., bldg 1711
31	o/w sep., 23 CAMS Fuel Systems Shop, bldg 5256
32	o/w sep., 23 CAMS Corrosion Control, bldg 5255
33	o/w sep., 255 AGS AMU, bldg 5251
34	o/w sep., 355 AGS Propulsion Branch, bldg 5245
35	o/w sep., AMU, bldg 5430
36	o/w sep., 836 Trans. Vehicle Ops., bldg 4701
37	o/w sep., Transportation, bldg 4705
38	o/w sep., 355 EMS Inspection, bldg 5607
39	o/w sep., 255 EMS Armament, bldg 4710
40	MH 468, Aircraft Washrack
Site Number	Housing, Hospital, and Test Stand Sewers
41	MH 298 Near Swan Gate
42	MH 376 Hospital, Alamo Ave
43	MH 502 Quijota Blvd
44	MH315A Housing Branch near mair gate
45	MH 13 Housing, Davenport
46	o/w sep., Test stand, bldg 224
47	o/w sep., Test stand, bldg 225
48	o/w sep., Test stand, bldg 225 (NTR)
49	o/w sep., Test stand, STRP
Site Number	AMARC
<b>5</b> 0	MIL ONO AMARO Attracect Character Amar
50 51	MH 342 AMARC Aircraft Storage Area
51 52	AMARC Washrack
52 53	MH 364, AMARC, Small Parts Cleaning
54	o/w sep., AMARC Out Processing, bldg 7408 o/w sep., AMARC NDI, bldg 7401
55 55	o/w sep., AMARC, bldg 7340
56	o/w sep., AMARC, Washrack, bldg 7425
57	o/w sep., AMARC, Washrack, bldg 7222
58	o/w sep., AMARC, In Processing, bldg 7448A
59	o/w sep., AMARC, In Processing, bldg 7448B
	other, manie, in the construction of the

Added Main Base Officer's Club, bldg 2050



Figure 2. On-site Laboratory, Building 4816

# 4. Industrial Wastewater Laboratory Study

Subsequent to the July 1989 survey, the base had received a Notice of Violation for discharging cadmium above the pretreatment limit of 100  $\mu$ g/L. A sample of wastewater from AMARC, building 7401 NDI oil/water separator was sent to AFOEHL/EQ in October 89 and bench scale jar testing was performed to assess the effect of chemical addition in removing heavy metals.

Aluminum sulfate (alum) was added to 1.5 liter aliquots of wastewater in bell jars at a Phipps Bird apparatus. The chemical was rapidly mixed at 40 rpm for two minutes, then slowly mixed at 15 rpm for 10 minutes. Sufficient alum was added to obtain 25, 50, 100, and 150 mg/L. The samples were allowed to settle for one hour and supernatant withdrawn from the top and submitted to AFOEHL/SA for ICP metals analyses. The experiment was repeated with no alum addition but with an addition of sodium hydroxide (40 mL) to raise the pH to 12.0.

Table 4. Wastewater Characterization Analytical Methods

	m Detected	Mathe	Whone	Who
Analysis	Conc.	Methd	Where	WIIO
631.c.3 4 m2 fro	10 mg/L	A403	on-site	AFOEHL
Alkalinity	0-14 units	A423	on-site	AFOEHL
pH	- unitos	E170.1	on-site	AFOEHL
Temperature	10 ug/I	A408E	on-site	AFOEHL
Chlorine Residual	10 μg/L	A421 F	on-site	AFOEHL
Dissolved Solids	1 mg/L	E405.1	on-site	AFOEHL
BOD5	10 /1	Hach Mod.	on-site	AFOEHL
COD	10 mg/L	A209A	on-site	AFOEHL
Total Suspended Solids	1 mg/L		on-site	AFOEHL
Total Dissolved Solids	1 mg/L	A209B	Brooks AFB	AFOEHL
Oil and Grease	0.3 mg/L	E413	Brooks AFB	AFOEHL
Ext. Petr. Hydrocarbons	1.0 mg/L	E418		AFOEHL
Ammonia	0.2 mg/L	E350	Brooks AFB	AFOEHL
Nitrate	0.05  mg/L	£353	Brooks AFB	
Nitrite	0.02  mg/L	E353	Brooks AFB	AFOEHL
Total Kjeldahl Nitrogen	0.2  mg/L	E305	Brooks AFB	AFOEHL
Total Phosphorous	0.05  mg/L	E365	Brooks AFB	AFOEHL
Phenols	5 μg/L	E604/E420	Brooks AFB	AFOEHL
Arsenic	100 μg/L	E200.7	Brooks AFB	AFOEHL
Barium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Cadmium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Chromium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Chromium, hexavalent	100 μg/L	E200.7	Brooks AFB	AFOEHL
Copper	100 µg/L	E200.7	Brooks AFB	AFOEHL
Iron	100 µg/L	E200.7	Brooks AFB	AFOEHL
Lead	100 μg/L	E200.7	Brooks AFB	AFOEHL
	100 µg/L	E200.7	Brooks AFB	AFOEHL
Manganese	2 μg/L	E200.7	Brooks AFB	AFOEHL
Mercury	100 µg/L	E200.7	Brooks AFB	AFOEHL
Nickel	100 µg/L	E200.7	Brooks AFB	AFOEHL
Selenium	100 µg/L	E200.7	Brooks AFB	AFOEHL
Silver	100 μg/L 100 μg/L	E200.7	Brooks AFB	AFOEHL
Zinc	-	E200.7	Brooks AFB	AFOEHL
Calcium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Magnesium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Potassium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Sodium	100 μg/L	E200.7	Brooks AFB	AFOEHL
Aluminum	100 μg/L		Brooks AFB	AFOEHL
Beryllium	100 µg/L	E200.7	Brooks AFB	AFOEHL
Chloride	2 mg/L	E325		AFOEHL
MBAS	0.1 mg/L	E425.1	Brooks AFB	AFOEHL
Boron	0.2 mg/L	A404A	Brooks AFB	AFOEHL
Cyanide	5 µg/L	A412D	Brooks AFB	
Sulfides	1 mg/L	E376	Brooks AFB	AFOEHL
Volatile Organic Compounds	3 *	E624	Brooks AFB	AFOEHL
Base, Neutral, Extract.	*	E625	DataChem	Salt Lak
•				С

A indicates Standard Methods for the Examination of Water and Wastewater, 1985 (5)

E indicates EPA Methods for Chemical Analysis of Water and Wastes (6)

<sup>\*</sup> for VOC results, see Appendix I

# C. Hazardous Waste Survey

#### 1. Procedure

The first step of the survey was to review the base hazardous waste management plan and the Bioenvironmental Engineer's industrial shop folders to determine which shops generate chemical wastes. This was followed by visits to shops to observe industrial operations, discuss chemical waste disposal practices with shop personnel, and hand out chemical disposal survey forms (see Appendix A). These forms, which were completed by shop personnel, were reviewed by the survey team and provided additional information for subsequent discussions with shop personnel. The following individuals were contacted to discuss their responsibility and involvement in the hazardous waste program:

1Lt Legendre, Chief, Bioenvironmental Engineering, SGPB, AV 361-5369 Mr Thompson, Chief, Environmental Quality Branch, 836 CSG/DEQ, AV 361-5372 Mr Hague, Environmental Specialist, AMARC/MAQ, AV 361-5079 Mr Ellison, Environmental Specialist, 836 CSG/DEQ, AV 361-5897

Based on the data from the completed chemical disposal survey forms, the annual forecasted quantities for nine categories of waste were determined and are summarized in Table 5. From Table 5, Column 3, 37.3% of the total waste generated consists of waste oil and fluid; however, these wastes are not considered hazardous waste. Eighteen percent of the total amount of waste generated is drummed and disposed of as hazardous waste through the Defense Reutilization and Marketing Office (DRMO). Itemized listings of wastes (including categories, shop, amount of waste, and disposal method) are found in Appendix B. Appendix C lists wastes disposed of as hazardous waste. Appendix D lists wastes discharged to the sanitary sewer.

### 2. Hazardous Waste Program

The hazardous waste program at Davis-Monthan AFB is working well. The Environmental Quality Branch in Civil Engineering, 836 CSG/DEQ, is responsible for the management of the entire program. The DRMO is responsible for contractual removal of wastes. The Bioenvironmental Engineering (BEE) Shop helps to monitor the program through industrial shop surveys and is responsible for waste sampling.

Individual shops are responsible for identifying, segregating, handling, packaging, and labeling the wastes generated by the shop. Wastes are usually placed in a 55-gallon drum located at a designated accumulation site or placed in a 55-gallon drum and taken directly to DRMO.

When wastes need to be disposed, the shop hazardous waste manager partially completes an AF Form 2005 and submits it to DEQ (Mr Ellison), who completes the form and checks it for accuracy. The manager then takes the form to Supply who generates a DD Form 1348-1 using the information contained on the AF Form 2005. The DD Form 1348-1 is then submitted to DEQ for signature (indicating that funds are available for disposal of the waste). Finally, the generator submits the DD Form 1348-1 to DRMO who arranges for a waste disposal contractor to pickup the wastes.

Table 5. Annual Forecasted Quantities of Waste Generated at Davis-Monthan AFB

PRODUCT (GAL/YR)	TOTAL	% TOTAL	DISPOSED OF AS HAZ WASTE	% TOTAL HAZ WASTE
Oil & Fluid	22,531	37.3	360	3.4
Safety Kleen	1,140	1.9		
Paints, Thinners & Strippers	s 10,386	17.2	9,026	84.8
Fuel	2,351	3.9		
Antifreeze	180	0.3		
Soap	5,856	9.7		
Photo & NDI	1,813	3.0	180	1.7
Solvents	4,322	7.1	1,077	10.1
Misc Chemicals	11,878	19.7		
Total:	60,457	100.0	10,643	100.0

Any unknown wastes are analyzed before disposal. The BEE shop has the responsibility for sampling unknown wastes and other waste streams on an as needed basis. Samples are sent to the AFOEHL/SA for analysis and results are sent back to the BEE who notifies DEQ of the results.

3. Description of Industrial Activities. Thirty-nine industrial shops (Master Listing Contained in Appendix E) were surveyed and their chemical waste handling practices were documented. The findings for each industrial shop follow (see Appendix B for a shop-by-shop listing of waste disposal practices).

#### a. 23 Consolidated Aircraft Maintenance Squadron (23 CAMS)

Shop: Engine Bldg: 1358

Contact: MSgt Steel AUTOVON: 361-4534

Engine Shop personnel maintain J-85-17A jet engines. The shop repairs approximately two engines per month. Approximately eight quarts of synthetic oil are drained from each engine. Waste synthetic oil (48 gallons/year) is stored in a 55-gallon drum and disposed as petroleum oil and lubricants (POL) through DRMO. Rinsolve 140 is used for degreasing engine parts. Dirty rags are disposed as municipal waste. A washrack for parts cleaning is provided at building 1360.

Shop: Phase Dock

Contact: TSgt Johnson

Bldg: 1447

AUTOVON: 361-5120

Phase Dock personnel perform minor maintenance and schedule regular inspections on OV-10 and A-10 aircraft. Waste hydraulic fluid (18-21 gallons/ month) and synthetic oil (13-20 gallons/month) are stored in 55-gallon drums. When full, the drums are taken to the accumulation site near Bldg 1541. AMU personnel in Bldg 1541 are responsible for the management of the accumulation site. Large fuel spills are cleaned up by AGE Roadrunner Operations. Small oil spills are cleaned up with Speedy Dry or rags. VAL 800 spray lubricant is used for lubricating aircraft parts. Spent Speedy Dry, used rags, and VAL 800 aerosol cans are disposed as municipal waste.

Shop: Aircraft Maintenance

Contact: 2Lt Banks

Bldg: 1541

AUTOVON: 361-2194

Aircraft Maintenance personnel oversee the operation of the CAMS maintenance function. The shop is responsible for maintaining the accumulation site located next to building 1541. At the time of the survey, the accumulation site and storage drums were maintained in accordance with 40 CFR 261. Personnel transport waste drums (approximately 2 drums/month) as necessary to the DRMO waste storage facility.

Shop: Corrosion Control

Contact: MSgt Koernig

Bldg: 5255

AUTOVON: 361-5275

Shop personnel treat and refinish A-10 and OV-10 aircraft and support equipment. Approximately four aircraft are sanded and repainted each week. All waste paints and thinners (590 gallons/month) are mixed together, put into 55-gallon drums, and disposed through DRMO as hazardous waste. Small parts are stripped inside the shop in two heated paint stripping tanks (220-gallon capacity each). Waste paint stripper (10 gallons per month) is drummed and disposed through DRMO as hazardous waste. The paint stripping tanks are cleaned out every 6-8 months; the waste is drummed and disposed as hazardous waste through DRMO.

Shop personnel also maintain the aircraft washrack. Four aircraft per day are washed. The aircraft soap is applied at a 4:1 to 8:1 dilution ratio. Rinse water from the washrack discharges to an oil/water separator connected to the sanitary sewer system.

Shop: Fuel Systems

Contact: MSgt Barnett

Bldg: 5256

AUTOVON: 361-3134

Shop personnel remove, repair, and replace aircraft fuel system components such as fuel bladders and external tanks. JP-4 drained from fuel tanks (approximately 100 gallons per month) is stored in a bowser for use by the Aerospace Ground Equipment (AGE) Shop. The shop floor drains were dry, and an inspection of the oil/water separator indicated very low flow.

# b. 355 Equipment Maintenance Squadron (355 EMS)

Shop: NDI

Contact: TSgt Johnson AUTOVON: 361-4477

Bldg: 5406

Shop personnel perform nondestructive inspection processes including magnetic particle, dye penetrant, and x-ray inspection processes. Magnaflux magnetic particle solution (10 gallons/3 months) containing iron fillings is drummed and disposed through DRMO. About 100 gallons per year of 1,1,1-tri-chloroethane (TCA) are drummed and disposed as hazardous waste through DRMO. Dye penetrant (55 gallons/6-8 months) is drummed and disposed of as hazardous waste through DRMO. Spent emulsifier (55 gallons/6-8 months) and developer (55 gallons/6-8 months) are discharged down the drain to the sanitary sewer.

The shop also has a x-ray developing room. Waste fixer  $(0.5-50 \, \text{gallons/day})$  is processed through a silver recovery unit before being discharged to the sanitary sewer. The silver recovery cartridge is disposed through DRMO. The developer  $(0.25-50 \, \text{gallons/day})$  is discharged down the drain to the sanitary sewer. The shop has a contract with a local linen service for cleaning rags.

Shop: AGE Bldg: 4712

Contact: SMSgt Morris AUTOVON: 361-5352

AGE personnel service, maintain, and dispatch flight line support equipment. Waste 83282 hydraulic fluid (55 gallons/month) and synthetic oil (55 gallons/month) are stored in 55-gallon drums and disposed as POL through DRMO. Waste JP-4 (83 gallons/quarter) drained from the equipment during servicing operations is drummed and either used at the Fire Training Pit (FTP) or disposed as POL through DRMO. AGE equipment is washed by steam cleaning (without any soap) on the washrack. The water is rinsed down the drain to an oil/water separator connected to the sanitary sewer. Small oil spills are cleaned up with Speedy Dry or rags. Speedy Dry is disposed as municipal waste; used rags are cleaned by a local linen contractor, Industrial Uniform Services. Spray paint is used for touch-up painting. Empty aerosol cans are disposed as municipal waste. Small parts are cleaned in a solvent spray tank containing Rinsolve 140. The tank is changed out every six months; the waste (110 gallons/year) is drummed and disposed as POL through DRMO.

Shop: Armament Bldg: 4710

Contact: MSgt Tilden AUTOVON: 361-4432

Armament personnel perform maintenance on A-10 and OV-10 aircraft gun systems and missile launchers. Spray paint is used for stenciling labels on weapons. The empty aerosol cans are disposed as municipal waste. LA 175 soap (55 gallons/quarter) used for cleaning equipment is discharged down the drain to an oil/water separator connected to the sanitary sewer. Dirty rags and coveralls are sent to Industrial Uniform Services for cleaning.

Shop: Wheel and Tire

Contact: SrA Nalley

Bldg: 4809

AUTOVON: 361-3978

Wheel and Tire personnel assemble, disassemble, and clean wheels and tires for A-10 and OV-10 aircraft. The shop has two Rinsolve 140 tanks (120-gallon and 30-gallon capacity) for cleaning bearings and wheels. The tanks are cleaned out every six months. The waste Rinsolve 140 (300 gallons/year) is drummed and disposed as POL through DRMO. TCA is used for cleaning small parts; none is disposed. Dirty rags are sent to Industrial Uniform Services for cleaning.

# c. 836 Transportation Squadron (836 TRANS)

Shop: General & Special Purpose Maint

Contact: Mr Moffitt

Bldg: 4507

AUTOVON: 361-5394

General and Special Purpose Maintenance personnel perform regularly scheduled and unscheduled maintenance on all base vehicles and heavy equipment. Waste transmission fluid (25 gallons/quarter) and motor oil (600 gallons/month) are drummed, stored at the accumulation site located behind Bldg 4507, and disposed as POL through DRMO. The shop has two 25-gallon Rinsolve 140 tanks that are changed out every 60 days. The waste is drummed, stored at the accumulation site, and disposed as POL through DRMO. Lead-acid batteries are rinsed with water and poured down the drain to a limestone neutralization tank which is connected to the sanitary sewer. The limestone sludge is allowed to dry before disposal as hazardous waste through DRMO. Dirty cleaning rags (approximately 40 bundles/month) are disposed as municipal waste. Oil spills are washed down the drain to an oil/water separator connected to the sanitary sewer. Vehicles are washed with Steam-It soap; the water and soap are discharged down the drain to an oil/water separator connected to the sanitary sewer.

Shop: Allied Trades Contact: Mr Moffitt

Bldg: 4705

AUTOVON: 361-4987

Shop personnel perform painting and bodywork on all base vehicles. The shop mixes only the amount of paint required to accomplish the work. Small amounts of thinner are used for cleaning painting equipment. The shop has a dry paint booth. The filters are changed out once per week and disposed as municipal waste.

Shop: Refueling Maintenance

Bldg: 4812

Contact: Mr Knight

AUTOVON: 361-3288

Shop personnel maintain and repair aircraft refueling vehicles. JP-4 is analyzed by POL personnel. If possible, the fuel is blended back into the base fuel supply. If the fuel is contaminated, it is disposed of as POL through DRMO. Transmission oil and motor oil (1800 gallons/year) are drummed and disposed of as POL through DRMO. CALLA 800 soap and Rinsolve 140 are used for cleaning the vehicles. The waste is discharged to the sanitary sewer through an oil/water separator. Cleaning rags are disposed of as municipal waste.

Shop: Fire Truck Maintenance

Contact: Mr Scheets

Bldg: 4823 AUTOVON: 361-5001

Shop personnel maintain the Davis-Monthan AFB firefighting fleet. Waste oil (55 gallons/month) and antifreeze (5 gallons/month) are drummed and taken to the 836 TRANS accumulation site located at Bldg 4507. Dirty rags are disposed as municipal waste. Spray paint is used for touch-up painting on the equipment. Empty aerosol cans are disposed as municipal waste.

d. 836 Civil Engineering Squadron (836 CES)

Shop: Refrigeration

Contact: TSgt Moore

Bldg: 5309

AUTOVON: 361-4694

Shop personnel maintain air conditioning and refrigeration equipment throughout the base. The cooling tower discharge is released into the air or discharged down the drain to the sanitary sewer. The chemical additives contained in the cooling discharge are inhibitor (NSN 6850 0059 2537 and 6850 0059 2937) and Cooling Tower Treatment CT 320.

Shop: Power Production Contact: MSgt Terry

Bldg: 5122

AUTOVON: 361-4520

Power Production personnel perform preventive maintenance on diesel generators. Waste hydraulic fluid, diesel, and motor oil (350 gallons/year, total) are drummed, stored at the accumulation site located on the south side of Bldg 5122, and disposed as POL through DRMO. Spray paint is used for touch-up painting. Empty aerosol cans are disposed as municipal waste. Paint thinner is used in process. Dirty rags are disposed as municipal waste.

Shop: Entomology

Contact: TSgt Figueredo

Bldg: 5319

AUTOVON: 361-5368

The Entomology Shop is responsible for pest control throughout the base. This shop does not generate any waste chemicals. All chemicals are used in process. Nutrasol is used to deactivate and clean tanks of chemical residues. When empty tanks and sprayers are cleaned, a small amount of rinse water is discharged to the sanitary sewer system.

Shop: Liquid Fuels

Bldg: 5309

Contact: Mr Rogalski AUTOVON: 361-4983

Liquid Fuels personnel maintain stationary fuel systems and clean aboveground and underground storage tanks. Five aboveground tanks at the bulk storage area are cleaned every five years on a rotating basis. There are an additional 45 underground storage tanks which are inspected annually and physically entered every three years. The main source of waste is the JP-4 fuel/sludge mixture generated during tank cleaning operations. Each cleaning operation generates about 275-300 gallons of sludge which is drummed and disposed as POL through DRMO.

Shop: Heating Plant Contact: Mr Estrada

Bldg: 5309 AUTOVON: 361-3139

Shop personnel service, maintain and repair high—and low-pressure steam boilers and hot water boilers. Inorganic phosphate, sodium bisulfite, and cyclohexylamine are used to control scaling and corrosion. Approximately 200 gallons per week of these chemicals are used for the blowdown of boiler water tanks. An acid vat, located near Building 5309, is used for descaling heating coils. About 115 gallons of sulfamic acid is used per month in the vat. The acid is diluted and discharged to a marble chip neutralization tank before being discharged to the sanitary sewer system.

e. 868 Tactical Missile Maintenance Squadron (TMMS)

Shop: AGE

Bldg: 72

Contact: TSgt Walker

AUTOVON: 361-3201

Shop personnel perform all maintenance and periodic inspections on AGE assigned to 868 TMMS. Waste diesel fuel (20 gallons/month), 7808 oil (20 gallons/month), lube oil (220 gallons/year), and other waste oils and fluids are segregated in 55-gallon drums and disposed as POL through DRMO. Dirty rags and Speedy Dry are put into plastic bags and disposed as municipal waste. Batteries (6/year) are taken to the TRANS Battery Shop for electrolyte neutralization and disposal.

Shop: Corrosion Control

Bldg: 72

Contact: TSgt Korzenaski

AUTOVON: 361-5199

Shop personnel perform corrosion treatment and paint associated parts and support equipment assigned to 868 TMMS. Waste polyurethane paint, thinner, and MEK (5 gallons/2 months) are stored in a 5-gallon can and disposed as hazardous waste through DRMO. Empty aerosol spray cans and paint brushes are disposed as municipal waste. Waste oil and fluid (110 gallons/3 months) are drammed and disposed of as POL through DRMO.

Shop: Vehicle Maintenance

Bldg: 72

Contact: TSgt Brown

AUTOVON: 361-4994

Snop personnel perform routine maintenance on all vehicles and heavy equipment assigned to 868 TMMS. Waste engine oil (350 gallons/2 months) is stored in a 550-gallon underground waste storage tank and pumped out every two months by a contractor. Dextron II transmission fluid (125 gallons/year) is stored in 55-gallon drums and disposed through DMRO. The shop has one 30-gallon Safety Kleen degreasing tank that is serviced every two months by the contractor. Biogenic 5E 377C Soap (110 gallons/year, diluted 20:1) used for steam cleaning parts and equipment is discharged down the drain to an oil/water separator connected to the sanitary sewer.

# f. 41 Electronic Combat Squadron (ECS)

Shop: Fuel System Repair Contact: SrA Winter Bldg: 136

AUTOVON: 361-4640

Shop personnel clean and repair fuel systems for the EC 130H aircraft. Waste JP-4 (3 gallons/month) is taken to the 41 ECS accumulation point (Bldg 125) and poured into a 550-gallon waste fuel bowser. The bowser is pumped out periodically by a contractor. Petroleum lubricants (2 gallons/year) are used for sealing 0-rings. MEK is used in process for cleaning metal surfaces and removing fuel tank sealant from parts and equipment. Dirty rags and Speedy Dry are disposed as municipal waste. General purpose soaps are used for cleaning parts and equipment. Batteries from flashlights and electronic equipment are disposed as municipal waste.

Shop: Hydraulic Contact: Sgt Mundy

Bldg: 136

AUTOVON: 361-5847

Shop personnel inspect, service, repair, overhaul, and bench check hydraulic and pneumatic components. Waste hydraulic fluid (2 gallons/month) is accumulated in 55-gallon drums, taken to the 41 ECS accumulation point, and disposed through DRMO. The shop has a 160-gallon Rinsolve 140 tank that is changed out every six months. The waste is drummed, taken to the 41 ECS accumulation site, and disposed as POL through DRMO. Dirty rags are disposed as municipal waste. There are no floor drains in the shop.

Shop: Isochronal Contact: SSgt Linkous Bldg: 136

AUTOVON: 361-5845

Shop personnel perform periodic inspections and repairs on C-130 aircraft. There are no wastes generated in the shop.

Shop: Electric

Bldg: 129

Contact: TSgt Van Vranken

AUTOVON: 361-5878

Shop personnel inspect and maintain electrical systems on the C-130 aircraft. Liquid oxygen (200 gallons/month) is used in process. Dibromomethane fire agent (5 gallons/month) is put in the aircraft. MEK (1 gallon/month) is used in process to clean  $\rm CO_2$  bottles. Turbine engine oil (2 gallons/year) and other waste oil are put into the waste oil bowser located at the 41 ECS accumulation site. Speedy Dry is disposed as municipal waste. Dirty cleaning rags are either washed and reused or disposed as municipal waste.

Shop: Propulsion

Bldg: 133

Contact: TSgt Tiensvold

AUTOVON: 361-5741

Shop personnel build-up and repair jet engines for C-130 aircraft. 23699 engine oil (110 gallons/month) and hydraulic fluid (55 gallons/2 months) are drummed, taken to the 41 ECS accumulation point and disposed as POL through RMO. Toluene and MEK are used in process for wiping down parts. PD-680 (23 gallons/2 months) is drummed, taken to 41 ECS accumulation point, and disposed through DRMO as hazardous waste. Bio-Franklin soap (2 cups/3 gallons water) is used for cleaning the floor. The shop floor drains have been covered. Dirty rags are disposed as municipal waste.

Shop: Corrosion Control Contact: MSgt Thunstrum

Bldg: 136 AUTOVON: 361-4151

Shop personnel perform corrosion treatment, paint aircraft, do touch-up painting on the flight line, associated aircraft parts and support equipment, and wash aircraft. Polyurethane and enamel paint (6-8 gallons/month) and thinners (5 gallons/month) are stored in 5-gallon cans, taken to the 41 ECS accumulation site, and disposed as hazardous waste through DRMO. Filters (36/month) used in the dry paint booth are put in a cardboard box and disposed as municipal waste. Soap (440 gallons/month) is discharged down the drain to an oil/water separator connected to the sanitary sewer. Dirty rags are disposed as municipal waste.

Shop: AGE Bldg: 125

Contact: SSgt Holyfield AUTOVON: 361-3988

Shop personnel service, maintain, and dispatch flight line support equipment. Hydraulic fluid (55 gallons/month), synthetic engine oil (55 gallons/month), and motor oil (55 gallons/month) are drummed, taken to the 41 ECS accumulation site, and disposed as POL through DRMO. Rinsolve 140 is drummed, taken to the 41 ECS accumulation site, and disposed as POL through DRMO. PD-680 (4 gallons/month) is drummed and disposed as hazardous waste through DRMO. Dirty rags are disposed as municipal waste. Speedy Dry is put into a plastic bag and disposed as municipal waste. Aircraft soap (55 gallons/month, diluted 20:1) is discharged down the drain to an oil/water separator connected to the sanitary sewer. The oil/water separator is pumped out by a contractor every four months. Batteries (2-3/month) are taken to the TRANS Battery Shop for electrolyte neutralization and disposal.

Shop: Aircraft Maintenance Bldg: 139
Contact: MSgt Bagwell AUTOVON: 361-5995

Shop personnel maintain and issue tools and equipment required to perform flight line maintenance on C-130 aircraft. PD-680 (5 gallons/2 months) is stored in a 5-gallon can, taken to the 41 ECS accumulation site, and disposed as hazardous waste through DRMO. Waste hydraulic fluid (1 gallon/ month), engine oil (15 gallons/month), and turbine oil (2 gallons/month) are taken to the 41 ECS accumulation point and disposed as POL through DRMO. Dirty rags and Speedy Dry are disposed as municipal waste.

g. Aerospace Maintenance and Regeneration Center (AMARC)

Shop: Washrack Bldg: 7425 Contact: Mr Wilson AUTOVON: 361-3263

Corrosion/paint personnel are responsible for light painting and corrosion prevention on AMARC aircraft. The shop generates one 55-gallon drum/year containing 50% paint stripper, 40% paint residue, and 10% plastic and rags. The waste is disposed as hazardous waste through DRMO.

Shop: Materials Lab

Contact: Mr Stutz

Bldg: 7615 AUTOVON: 361-3387

Shop personnel analyze hydraulic and engine oil for particulates and sediment. 1,1,1-Trichloroethane (TCA) is used in hydraulic fluid analysis. Waste hydraulic fluid containing TCA (30 gallons/month) and engine oil (30 gallons/month) are drummed separately and disposed through DRMO. The hydraulic fluid is disposed as hazardous waste through DRMO, and the engine oil is disposed as POL through DRMO. Freon (5 gallons/month) used for washing equipment is stored in a 5-gallon can and disposed as hazardous waste through DRMO. Nitric acid (1 gallon/month) and hydrochloric acid (1 gallon/month) are used in process.

> Shop: Pneudraulics Contact: Mr Berry

Bldg: 7415

AUTOVON: 361-5636

Pneudraulics shop personnel maintain aircraft pneudraulic components. Waste hydraulic fluid (440 gallons/year) is drummed and disposed as POL through DRMO. Rinsolve 140 (165 gallons/year) is drummed and disposed as POL through DRMO. Dirty rags are disposed as municipal waste.

Shop: NDI

Contact: Mr Machado

Bldg: 7401

AUTOVON: 361-3670

Shop personnel perform nondestructive inspections on AMARC aircraft structural components using dye penetrant, magnetic particle and x-ray inspection methods. The x-ray process is a real-time x-ray process. No developer or fixer is used.

Dye penetrant inspection is an open system which uses penetrant, emulsifier, and developer. Parts are sequentially dipped into the penetrant and the emulsifier, then rinsed and allowed to dry. Next, the part is dipped into the developer, passed through a drying oven, inspected, and rinsed. Spent penetrant (55 gallons/7 years), developer (55 gallons/7 years), and emulsifier (55 gallons/7 years) are drummed and disposed as hazardous waste through DRMO. Magnetic particle solution (30 gallons/year) is drummed and disposed through DRMO.

Shop: Small Parts Cleaning

Contact: Mr Gunderson

Bldg: 7401

AUTOVON: 361-5402

Shop personnel clean small parts from AMARC aircraft. The shop has a 700-gallon hot paint remover tank (Mil R-83936B) and a 700-gallon carbon remover tank that are changed out every 5 years. The wastes are drummed and disposed as hazardous waste through DRMO. The shop also has a 400-gallon alkaline rust remover tank (NaOH) and a 200-gallon TCA vapor degreasing tank that are never changed out.

Glass and plastic beads used for blasting paint from aircraft parts are disposed as municipal waste. The wastes have been analyzed for hazardous waste characteristics and determined to be nonhazardous.

Rinsolve 140 is used in a tank in the solvent room for degreasing parts. When dirty, the Rinsolve 140 is added to soap (NSN 6850-01-1817178). The mixture makes a paste which is used for cleaning parts on the washrack. Another soap (30 gallons/month, NSN 6850-01-2378004) is used in a steam cleaner on the washrack for cleaning parts. The waste is discharged down the drain to an oil/water separator connected to the sanitary sewer.

Phosphoric acid (5 gallons/year) is used for cleaning engine bolts. The waste is drummed and disposed as hazardous waste through DRMO.

h. 836 AD Hospital

Shop: Clinical/Pathology Lab Bldg: 400

Contact: Sgt Powell AUTOVON: 361-4732

Shop personnel perform clinical analysis for the hospital. Xylene (2-3 gallons/month) is drummed, stored for up to 90 days, and taken to DRMO for disposal as hazardous waste. Alcohol (12 ounces/day) is either used in process or discharged down the drain to the sanitary sewer. Formalin (10%, 200 gallons year) is discharged down the drain to the sanitary sewer.

Shop: Dental Clinic Bldg: 400

Contact: MSgt Soufert AUTOVON: 361-5005

Shop personnel perform dental care for military, retired military, and dependent personnel. Spent x-ray fixer (1-2 gallons/month) is processed through a silver recovery unit before being discharged down the drain to the sanitary sewer. Developer (1-2 gallons/month) is discharged down the drain to the sanitary sewer. Vapo-steril solution (2 gallons/month), dialdehyde solution (10 gallons/month), ultrasonic cleaner (1 gallon/month), Vacuucleaner (40 gallons/ month), and dental wax solvent (6 quarts/year) are discharged down the drain to the sanitary sewer. Chloroform (1 cup/year) and acetone (1 pint/year) are used in process. Potassium cyanide (<1 pint/year) is diluted with water before being discharged down the drain to the sanitary sewer.

i. 355 Component Repair Squadron (355 CRS)

Shop: Pneudraulics Bldg: 5045

Contact: TSgt Amick AUTOVON: 361-4331

Pneudraulics personnel inspect, service, repair, overhaul, and bench check hydraulic and pneumatic components on A-10 and OV-10 aircraft. The shop has one Rinsolve 140 tank for parts cleaning and one hydraulic test stand. Spent Rinsolve 140 (160 gallons/quarter) and waste hydraulic fluid (9 gallons/quarter) are drummed separately and disposed as POL through DRMO. Used rags are disposed as municipal waste.

Shop: Propulsion Bldg: 5245

Contact: MSgt South AUTOVON: 361-5376

Shop personnel perform maintenance on TF34 jet engines, GTCP36-50 auxiliary power units, non-powered AGE, and engine accessories. The shop services about 16 engines per month. Waste JP-4 (10 gallons/month) is drummed for disposal as POL through DRMO. Empty aerosol cans are disposed as municipal waste.

The chemical cleaning room has four tanks (165-gallon capacity each) containing Rinsolve 140 (Stoddard Solvent), carbon remover, paint stripper (BB3100), and hot water. The tanks are drained and cleaned on a quarterly basis. The waste chemicals are pumped from the tanks into 55-gallon drums and disposed of through DRMO as hazardous waste. The hot water tank drains into an oil/water separator connected to the sanitary sewer system. Most of the waste routinely generated in this area results from drag-out (dripping) of various chemicals from parts dipped into the tanks. Upon inspection, there was evidence of carbon remover in the oil/water separator.

j. 836 Combat Support Group (836 CSG)

Shop: Auto Hobby Contact: Mr Booker Bldg: 4531

AUTOVON: 361-3614

The Auto Hobby Shop is housed in a "garage type" building containing equipment for maintenance and repair of privately owned vehicles. Waste oil (250 gallons/month) is drained from vehicles into drip pans and poured into 55-gallon drums. The drums are emptied into a 1000-gallon underground waste oil storage tank. The waste oil is pumped out every five to six weeks by Metro Oil Company. Morale, Welfare, and Recreation (MWR) receives 8 cents/gallon for the oil. The shop has two Safety Kleen degreasing units (20-gallon capacity) and one Safety Kleen carburetor cleaning unit (20-gallon capacity) that are serviced by the contractor twice per month. Waste antifreeze (10 gallons/month) is disposed through Metro Oil Company. Albrite carwash soap (2.5 gallons/month, diluted 50:1) and Roughneck tire cleaner (3 gallons/month, diluted 30:1) are discharged down the drain to an oil/water separator connected to the sanitary sewer.

The shop has a dry paint booth. Paint filters (20/month) are disposed as municipal waste. The intake filters (20) are cleaned and reused. All paint wastes are taken home by the patrons; none is disposed by the shop.

k. 355 Aircraft Generation Squadron (355 AGS)

Shop: 355 AMU Bldg: 5251

Contact: MSgt Williams AUTOVON: 361-5025

Shop personnel perform general aircraft maintenance and servicing. Spray cans of Citrikleen are used for cleaning small parts. The empty aerosal cans are disposed of as municipal waste. Waste hydraulic fluid (55 gallons/month) and waste synthetic oil (55 gallons/month) are drummed and disposed as POL through DRMO. Waste JP-4 is collected in a fuel bowser and turned over to the Fire Department for use at the fire training pit for training purposes.

## III. RESULTS

## A. Wastewater Characterization

1. Flows. Wastewater flows are included in this report to aid in the design of a treatment system for industrial effluent. Daily flow rates are calculated using data obtained using Palmer-Bowlus flumes, water meters and ISCO Flow Meters. Flow results are presented in Table 6. Figure 3 is a sketch of the distribution of flow through the base.

2. Wastewater Analytical Results. In this section the results of the wastewater characterization study will be reviewed site by site. Each site will be evaluated as if regulated under the Pima County permit 2R 10760, however, as previously mentioned, only three locations are regulated, MH 111 (our site number 16, manhole 115), MH 376 (our site number 42) and MH 337 (our site 50, manhole 342). Complete site-by-site analytical results are included as Appendix G.

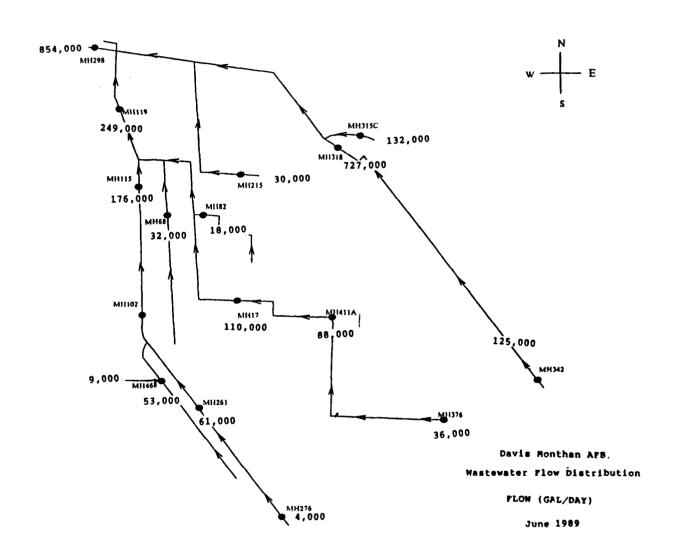


Figure 3. Wastewater Flow Distribution

Table 6. Flow Results

MH	SITE DESCRIPTION	FLOW (GAL/DAY)
17	Base Exchange (7th & Granite Streets)	110,000
68	3rd & Durango Streets	32,000
82	BX Service Station (Commanche Street)	18,000
102	1st & Jeddito Streets	34,000
115	1st & Bola Streets	176,000
119	Sunglow Road	249,000
215	Commissary/BEE Shop (7th & Arizola Streets)	30,000
261	Transportation (Phoenix & Flagstaff Streets)	61,000
276	41st Line (Phoenix Streets)	4,000
298	Sunglow Road (Near Swan Gate)	854,000
315-C	Frank-Borman Housing West Field (North Fence)	132,000
318	Frank-Borman Housing West Field (Quijota Blvd)	727,000
342	AMARC	125,000
376	Hospital (Alamo Avenue & Oro Street)	36,000
411-A	Lowell-Smith Housing (Ironwood Street)	88,000
468	Flight Line (Douglas and Phoenix Sts.	53,000
WM	Aircraft Washrack (Phoenix & Douglas Streets)	9,000

#### a. Main Base Sewers

(1) Site 1, MH 123: Sewage from main base, housing, AMARC, and other industrial areas passes through manhole 123. The average phenol concentration (29.4  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 is 8.2  $\mu$ g/L. This method identifies only toxic phenolic compounds while EPA Method 420 is a screen of all phenolic and nontoxic phenoxy compounds. The BOD/COD ratio (122/309 mg/L) was .39. Volatile organic compounds (VOCs) present include methylene chloride (53  $\mu$ g/L) and 1,3-dichlorobenzene (14  $\mu$ g/L). The average oil and grease concentration (75.3 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.015 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.

(2) Site 2, MH 100, Arizola Ave: Sewage from main base and housing passes through manhole 100. The average phenol concentration (43.7  $\mu g/L)$  met the current limit (50  $\mu g/L)$ . However, this concentration exceeded the proposed limit of 25  $\mu g/L$ . The phenol concentration measured by EPA Method 604 was 15  $\mu g/L$ . The BOD/COD ratio (169/645 mg/L) was 0.26. Volatile organic compounds (VOCs) were present at low concentrations. The average oil and grease concentration (17 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.12 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations are below the limits. The wastewater flowing through manhole 100 was characterized by a high suspended solids, chemical oxygen demand, and moderate biochemical oxygen demand. Average total phenol (EPA Method 420) and phenol (EPA Method 604) suggested that most of the phenols were biodegradable. These were usually phenoxy compounds found in soaps or cleaning compounds.

- (3) Site 3, MH 215, Commissary, building 2615: The Commissary is connected to the sanitary sewer system at manhole 215. The phenol concentration (55  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 29  $\mu$ g/L. The BOD/COD ratio (141/530 mg/L) was 0.27. Volatile organic compounds (VOCs) were not detectable. The average oil and grease concentration (4.5 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.015 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (4) Site 4, MH 77, Burger King, building 2521: Burger King is connected to the sanitary sewer system at manhole 77. The phenol concentration (74  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 20  $\mu$ g/L. The COD/BOD ratio (122/480 mg/L) was 0.25. The average oil and grease concentration (4.5 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.012 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (5) Site 5, MH 17, BX, building 2441: The BX is connected to the sanitary sewer system at manhole 2441. EPA Method 420 was not performed due to an insufficient sample. The phenol concentration measured by EPA Method 604 is 13  $\mu$ g/L. The BOD/COD ratio (209/200 mg/L) of 1.0 showed the wastewater was domestic. Volatile organic compound (VOC) concentrations were below the analytical detection limit. The average oil and grease concentration (1.9 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.02 mg/L) was below the limit (1 mg/L).
- (6) Site 6, Laundry Facility, building 5000: The laundry facility is connected to the sanitary sewer system at an undesignated manhole near building 5000. The phenol concentration (40  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 was 33  $\mu$ g/L. The BOD/COD ratio (224/600 mg/L) was 0.37. The average oil and grease concentration (896 mg/L) exceeded the limit (100 mg/L). The average cyanide concentration (0.015 mg/L) was below the limit (1 mg/L). The wastewater flowing from the laundry facility is characterized by a moderate chemical oxygen demand and biochemical oxygen demand. High oil and grease concentrations along with low petroleum hydrocarbon concentrations point more to a greasy waste typical of food service activities. High boron and surfactant levels are typical of laundry facility wastes.
- (7) Site 7, MH 119, N. of North Ramp: A nearly equal amount of wastewater from industrial area and main base passes through manhole 119. The average phenol concentration (30  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 was 13  $\mu$ g/L. The BOD/COD ratio (166/548 mg/L) was 0.30. Volatile organic compounds (VOCs) present included methylene chloride (24.6  $\mu$ g/L). The average oil and grease concentration (27.3 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.012 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits. Methylene chloride is used in solvents and paint strippers; however, shop personnel stated it is not discharged to the sanitary sewers.

- (8) Site 8, MH 270C, Auto Hobby Shop: The Auto Hobby Shop is connected to the sanitary sewer system at manhole 270C. The phenol concentration (59  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). The BOD/COD ratio (204/850 mg/L) was 0.24. Volatile organic compounds (VOCs) present included ethyl benzene (7.0  $\mu$ g/L) found in gasoline. The average oil and grease concentration (96 mg/L) approached the limit (100 mg/L).
- (9) Site 9, MH 23, NCO Club, building 4455: The NCO Club and the Golf Course Snack Bar contribute to the flow in manhole 23. The phenol concentration (37  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit of 25  $\mu$ g/L. The BOD/COD ratio (255/975 mg/L) was 0.26. The oil and grease concentration (4 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.005 mg/L) was below the limit (1 mg/L).
- (10) Site 10, Dining Facility, building 4100: The dining facility is connected to the sanitary sewer system through a grease trap. This sample was taken from the clean-out portal. The average phenol concentration (15  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration also met the proposed limit of 25  $\mu$ g/L. The BOD/COD ratio (412/1500 mg/L) was 0.27. The average oil and grease concentration (40,800 mg/L) exceeded the limit (100 mg/L). High concentrations of oils and grease can be attributed to disposal of waste oil and fat through the sewer system. Cyanide was not detected. All regulated toxic metal concentrations were below the limits.
- (11) Site 11, Oil/water separator, 868 TMMS AGE, Corrosion Control, building 72: Separator effluent contained high surfactant (150 mg/L) and moderate phenol (28 mg/L) concentrations. The BOD/COD ratio (467/900 mg/L) was 0.52.
- (12) Site 12, Oil/water separator, 868 TMMS, Vehicle Maintenance, building 73: Separator effluent contained high surfactant (300 mg/L) and high phenol (1150  $\mu$ g/L) concentrations. The BOD/COD ratio (35,027/45,000 mg/L) was 0.78. The oil and grease (912 mg/L) and total extractable petroleum hydrocarbons (512 mg/L) concentrations were high. Small amounts of methylene chloride (8.1  $\mu$ g/L) and 1,2-dichloroethane (7.4  $\mu$ g/L) were present in the waste. All regulated toxic metal concentrations were below the limits. Results suggest that a phenoxyl surfactant is being used for vehicle washing and that emulsified petroleum products are being washed into the sewer through the oil separator.
- (13) Site 13, Oil/water separator, 868 TMMS, building 74: Total phenols (<10  $\mu$ g/L) were low. The BOD/COD ratio (17/500 mg/L) was 0.034. Oil and grease (0.6 mg/L) and total extractable petroleum hydrocarbons (0.6 mg/L) concentrations were low. Small amounts of 1,2-dichloroethane (13  $\mu$ g/L) and 1,1,1-trichloroethane (13  $\mu$ g/L) were present in the waste. All regulated toxic metals concentrations were below the limits.
- (14) Site 14, Oil/water separator, 23 CAMS, Propulsion Washrack, building 1360: The total phenol (28  $\mu$ g/L) concentration was low. The BOD/COD ratio (86/500 mg/L) was 0.17. Oil and grease (42 mg/L) and total extractable petroleum hydrocarbons (8.4 mg/L) concentrations were low. Large amounts of 1,3-dichlorobenzene (2989  $\mu$ g/L) and 1,2-dichloroethane (896  $\mu$ g/L)

were present in the wastewater. These compounds are typically found in carbon removers and levels were high enough to suggest improper disposal. All regulated toxic metal concentrations were below the limits.

(15) Site 15, Oil/water separator, Entomology Shop, building 73: Separator effluent contained phenol (183  $\mu$ g/L). The BOD/COD ratio (129/500 mg/L) was 0.26. Oil and grease (3.4 mg/L) and total extractable petroleum hydrocarbons (1.3 mg/L) concentrations were low. Small amounts of methylene chloride (4.7  $\mu$ g/L), ethylbenzene (14  $\mu$ g/L), and toluene (2.4  $\mu$ g/L) were present in the wastewater. All regulated toxic metals concentrations were below the limits.

### b. Industrial Area Sewers

- (16) Site 16, MH 115, First Street: Sewage from most of the flight line industrial shops passes through manhole 115. The flow through this manhole is regulated under the Pima County Pretreatment Discharge Ordinance. The average phenol concentration (21.8  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration also met the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 was 6.9  $\mu$ g/L. The BOD/COD ratio (62/310 mg/L) was 0.2. Volatile organic compounds (VOCs) present included 1,3-dichlorobenzene (one-day concentration of 64  $\mu$ g/L) and 1,4-dichlorobenzene (one-day concentration of 31  $\mu$ g/L). These possibly could be originating from site 14, the CAMS Propulsion Branch washrack. The average oil and grease concentration (11.95 mg/L) was below the limit (100 mg/L). The average cyanide concentration (.01 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (17) Site 17, MH 258, Phoenix St: Sewage from industrial shops located on the NE side of Phoenix St. passes through MH 258. The average phenol concentration (27.7  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration exceeded the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 was 26  $\mu$ g/L. The BOD/COD ratio (167/1082  $\mu$ g/L) was 0.15. Several volatile organic compounds (VOCs) were present at low concentrations. The average oil and grease concentration (7.5  $\mu$ g/L) was below the limit (100  $\mu$ g/L). The average cyanide concentration (0.012  $\mu$ g/L) was below the limit (1  $\mu$ g/L). All regulated toxic metal concentrations were below the limits.
- (18) Site 18, MH 274A, SE Phoenix St.: Sewage from the F-16 alert area and EC-130H aircraft industrial shops passes through manhole 274A. The phenol concentration (<10  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration also met the proposed limit of 25  $\mu$ g/L. The phenol concentration measured by EPA Method 604 is <10  $\mu$ g/L. The COD/BOD ratio (25/425 mg/L) was 0.06. The oil and grease concentration (3.0 mg/L) was below the limit (100 mg/L). The cyanide concentration (0.005 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (19) Site 19, Corrosion Control, building 5255: The 23 CAMS Corrosion Control Shop is connected to the sanitary sewer system at an undesignated manhole. The phenol concentration (100  $\mu$ g/L) exceeded the current limit. The BOD/COD ratio (72/<1mg/L) was not calculated as the COD result was questionable. The average cyanide concentration (0.012 mg/L) was below the limit (1 mg/L). All regulated toxic metals concentrations were below the limits. The phenol was probably from washing, not paint stripping, since with paint stripping methylene chloride usually can be found also.

- (20) Site 20, 41 ECS Engine Shop, building 133: Sewage from the 41 ECS Engine Shop is connected to the sanitary sewer system at an undesignated manhole. The phenol concentration (50  $\mu$ g/L) equaled the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit of 25  $\mu$ g/L. The BOD/COD ratio (51/550 mg/L) was 0.09. Volatile organic compound (VOCs) concentrations were below the analytical detection limit. The oil and grease concentration (28.8 mg/L) was below the limit (100 mg/L). All regulated toxic metal concentrations were below the limits.
- (21) Site 21, Oil/water separator, Fire Station, building 4821: Separator effluent contains phenol (15  $\mu$ g/L). The BOD/COD ratio (7/450 mg/L) of 0.020 was questionable. Oil and grease (51.2 mg/L) and total extractable petroleum hydrocarbons (44.8 mg/L) concentrations were low. Volatile organic compound (VOC) concentrations were below the analytical detection limit. All regulated toxic metal concentrations were below the limits.
- (22) Site 22, Oil/water separator, Bulk Fuel Storage, building 4821: Separator effluent contained no phenol (<10  $\mu$ g/L). The BOD/COD ratio (1.1/40 mg/L) indicates the wastewater is not concentrated. Oil and grease (28.6 mg/L) and total extractable petroleum hydrocarbons (27.4 mg/L) concentrations were low. A trace of methylene chloride (0.5  $\mu$ g/L) was present in the wastewater. All regulated toxic metal concentrations were below the limits.
- (23) Site 23, Oil/water separator, 41 ECS AGE shop, building 125: Separator effluent contained phenol (105  $\mu$ g/L). The BOD/COD ratio (1585/6000 mg/L) was 0.26. Oil and grease (10.8 mg/L) and total extractable petroleum hydrocarbons (5.7 mg/L) concentrations were low. Trans-1,2-dichloroethane (3  $\mu$ g/L) was present in the wastewater. Surfactant (1900 mg/L) levels were high. All regulated toxic metal concentrations were below the limits.
- (24) Site 24, Oil/water separator, Fire Truck Maintenance, building 4823: Separator effluent contained high surfactant (1750 mg/L) and high phenol (820 ug/L) concentrations. The BOD/COD ratio (6,150/9,000 mg/L) was 0.68 oil and grease (1176 mg/L) and total extractable petroleum hydrocarbons (256 mg/L) concentrations were high. Small amounts of benzene (0.8  $\mu$ g/L) and 1,1,1-trichloroethane (5.5  $\mu$ g/L) were present in the wastewater. All regulated toxic metal concentrations were below the limits. High total phenol and surfactant concentrations, with traces of zinc and titanium, suggest the use of an aggressive cleaner, like aircraft surface contact cleaner.
- (25) Site 25, Oil/water separator, 355 AGS AMU, building 4809: Separator effluent contained low surfactant (14 mg/L) and moderate phenol (91  $\mu$ g/L) concentrations. The BOD/COD ratio (401/2,250 mg/L) was 0.18. Oil and grease (72.8 mg/L) and total extractable petroleum hydrocarbons (42 mg/L) concentrations were moderately low. Small amounts of 1,1,1-trichloroethane (5.9  $\mu$ g/L), 1,2-dichloroethane (5.3  $\mu$ g/L), and chlorobenzene (49  $\mu$ g/L) were present in the wastewater. All regulated toxic metals concentrations were below the limits.
- (26) Site 26, Oil/water separator, 355 EMS AGE, building 4712: Separator effluent contained high surfactant (210 mg/L) and high phenol (510  $\mu$ g/L) concentrations. The BOD/COD ratio (298/1,400) was 0.14. Oil and grease (75.2 mg/L) and total extractable petroleum hydrocarbons (66 mg/L) concentrations were high. Small amounts of trans-1,2-dichloroethane (6.7  $\mu$ g/L) and a significant concentration of methylene chloride (501  $\mu$ g/L) were present in

the wastewater. The cadmium level (481  $\mu$ g/L) exceeded the permit limit. Paint stripping wastes typically contain cadmium, zinc, methylene chloride and phenols. All other regulated toxic metal concentrations were below the limits.

- (27) Site 27, Oil/water separator, 836 TRANS Refueling Maintenance, building 4812: Separator effluent contained moderate surfactant (110 mg/L) and phenol (50  $\mu$ g/L) concentrations. The BOD/COD ratio (381/1,000 mg/L) was 0.38. Oil and grease (80.4 mg/L) and total extractable petroleum hydrocarbons (75.6 mg/L) concentrations were approaching the limit. Volatile organic compounds detected in the wastewater included: benzene (234  $\mu$ g/L), 1,3-dichlorobenzene (627  $\mu$ g/L), ethylbenzene (607  $\mu$ g/L), and toluene (367  $\mu$ g/L). These volatiles, except for 1,3-dichlorobenzene, a solvent, were from fuel. All regulated toxic metal concentrations were below the limits.
- (28) Site 28, Oil/water separator, Refueling Maintenance, building 4815: Separator effluent contained low surfactant (29 mg/L) and low phenol (20  $\mu$ g/L) concentrations. The BOD/COD ratio (49/200 mg/L) was 0.25. Oil and grease (2.6 mg/L) and total extractable petroleum hydrocarbons (2.6 mg/L) concentrations were low. All regulated VOCs concentrations were within the limits. All regulated toxic metal concentrations were below the limits.
- (29) Site 29, Oil/water separator, 355 EMS AGE, building 4712: No phenols analyses were recorded. The BOD/COD ratio (298/1400 mg/L) was 0.21.
- (30) Site 30, Oil/water separator, 355 CRS Fuel Systems Repair, building 5256: Separator effluent contained low surfactant (<0.1 mg/L) and phenol (<10  $\mu$ g/L) concentrations. The BOD/COD ratio (19/250 mg/L) was 0.08. Oil and grease (<0.3 mg/L) and total extractable petroleum hydrocarbons (<0.3 mg/L) concentrations were low. Small amounts of methylene chloride (4.3  $\mu$ g/L) and trichlorofluoromethane (4.7  $\mu$ g/L) were present in the waste. All regulated toxic metal concentrations were below the limits.
- (31) Site 31, Oil/water separator, 355 CRS Fuel Systems Repair, building 5256: Separator effluent contained low surfactant (1.3 mg/L) and phenol (<10  $\mu$ g/L) concentrations. The BOD/OD ratio (36/500 mg/L) was 0.07. Oil and grease (2.9 mg/L) and total extractable petroleum hydrocarbons (1.3 mg/L) concentrations were low. Small amounts of methylene chloride (5.6  $\mu$ g/L) and trichlorofluoromethane (4.1  $\mu$ g/L) were present in the wastewater. All regulated toxic metals concentrations were below the limits.
- (32) Site 32, Oil/water separator, 23 CAMS Corrosion Control, building 5255: Separator effluent contained low surfactant (0.4 mg/L) and high phenol (243  $\mu$ g/L) concentrations. The BOD/COD ratio (53/600 mg/L) was 0.09. Oil and grease (2.7 mg/L) and total extractable petroleum hydrocarbons (2.9 mg/L) concentrations were low. Several VOCs were present in the wastewater including: methylene chloride (2993  $\mu$ g/L), tetrachloroethylene (153  $\mu$ g/L), ethylbenzene (308  $\mu$ g/L), toluene (356  $\mu$ g/L), cis-1,2-dichloroethene (30  $\mu$ g/L), and 1,4-dichlorobenzene (4.4  $\mu$ g/L). All regulated toxic metals concentrations were below the limits. These results suggest that paint stripper was being washed off parts and into the drains and the separator, contrary to what shop personnel told the hazardous waste survey team.

- (33) Site 33, Oil/water separator, 255 AGS AMU, building 5251: Separator effluent contained low surfactant (3.6 mg/L) and phenol (42  $\mu$ g/L) concentrations. The BOD/COD ratio (45/200 mg/L) was 0.23. Oil and grease (6.2 mg/L) and total extractable petroleum hydrocarbons (4.6 mg/L) concentrations were low. A small amount of methylene chloride (29  $\mu$ g/L) was present in the wastewater. All regulated toxic metals concentrations were below the limits.
- (34) Site 34, Oil/water seperator, 355 CRS Propulsion Branch, building 5245: Separator effluent contained high surfactant (1650 mg/L) and phenol (380  $\mu$ g/L) concentrations. The BOD/COD ratio (1,633/17,500 mg/L) was 0.09. Oil and grease (206.4 mg/L) and total extractable petroleum hydrocarbons (51.2 mg/L) concentrations were high. Small amounts of methylene chloride (12  $\mu$ g/L), trans-1,2-dichloroethene (11  $\mu$ g/L), 1,1-dichloroethene (7.5  $\mu$ g/L), and 1,1,1-trichloroethane (7.7  $\mu$ g/L) were present in the wastewater. Large concentrations of toxic metals including zinc (64,790  $\mu$ g/L), cadmium (110  $\mu$ g/L), lead (1,190  $\mu$ g/L), and titanium (13,000  $\mu$ g/L) were present in the wastewater. The zinc, cadmium, and lead levels exceeded the permit limits.
- (35) Site 35, Oil/water separator, 355 AGS AMU, building 5430: Separator effluent contained low surfactant (18.5 mg/L) and high phenol (157 µg/L) concentrations. The BOD/COD ratio (430/900 mg/L) was 0.47. Oil and grease (568 mg/L) and total extractable petroleum hydrocarbons (136 mg/L) concentrations were high. Small amounts of methylene chloride (5.0 µg/L) and larger concentrations of the decarbonizing solvent, 1,3-dichlorobenzene (37 µg/L) were present in the wastewater. The cadmium level (128 µg/L) exceeded the permit limit. Paint stripping wastes and wastewater from aircraft washing, typically contained cadmium. Aircraft washing could be responsible for the high concentrations of petroleum hydrocarbons. All other regulated toxic metals concentrations were below the limits.
- (36) Site 36, Oil/water separator, Transportation, building 4701: Separator effluent contained low surfactant (0.6 mg/L) and phenol (11 μg/L) concentrations. The BOD/COD ratio (7/500 mg/L) was 0.01. Oil and grease (0.6 mg/L) and total extractable petroleum hydrocarbons (0.6 mg/L) concentrations were low. Small amounts of toluene (1.4 μg/L) were present in the wastewater. All regulated toxic metal concentrations were below the limits.
- (37) Site 37, Oil/water separator, Allied Trades, building 4705: Separator effluent contained high surfactant (126 mg/L) and phenol (112  $\mu$ g/L) concentrations. The BOD/COD ratio (981/3250 mg/L) was 0.30. Oil and grease (70.4 mg/L) and total extractable petroleum hydrocarbons (70.4 mg/L) concentrations were low. All regulated toxic metal concentrations were below the limits.
- (38) Site 38, Oil/water separator, 355 EMS Inspection, building 5607: Separator effluent contained low surfactant (2.4 mg/L) and phenol (15  $\mu$ g/L) concentrations. The BOD/COD ratio (46/500 mg/L) was 0.09. Oil and grease (23.7 mg/L) and total extractable petroleum hydrocarbons (2.6 mg/L) concentrations were low. Small amounts of 1,4-dichlorobenzene (9.3  $\mu$ g/L), trans-1,2- dichloroethene (16  $\mu$ g/L), and 1,1,1-trichloroethane (2.1  $\mu$ g/L) were present in the wastewater. All regulated toxic metal concentrations were below the limits.

(39) Site 39, Oil/water separator, 355 Armament, building 4710: Separator effluent contained high surfactant (380 mg/L) and phenol (105  $\mu$ g/L) concentrations. The BOD/COD ratio (694/2,000 mg/L) was 0.35. Oil and grease (132 mg/L) and total extractable petroleum hydrocarbons (84 mg/L) concentrations were high. Small amounts of methylene chloride (7.9  $\mu$ g/L), chloroethane (20  $\mu$ g/L), and 1,1-dichloroethane (46  $\mu$ g/L) were present in the wastewater. Some washoff from parts degreasing was entering the drains to the separator. The lead level (498  $\mu$ g/L) approached the permit limit. All regulated toxic metal concentrations were below the limits.

(40) Site 40, MH 468, Aircraft Washrack: Wash water from the aircraft washrack passes through manhole 468. The average phenol concentration (79  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 7  $\mu$ g/L, indicating the influence of phenoxyl detergents on the phenols results. The BOD/COD ratio (160/329 mg/L) was 0.49. The average oil and grease concentration (4.3 mg/L) was below the limit (100 mg/L). A small amount of 1,3-dichlorobenzene (9  $\mu$ g/L) was present in the wastewater. The average cyanide concentration (0.02 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits. Figure 4 shows the aircraft washrack and industrial treatment plant (separator) discharging into MH 468.

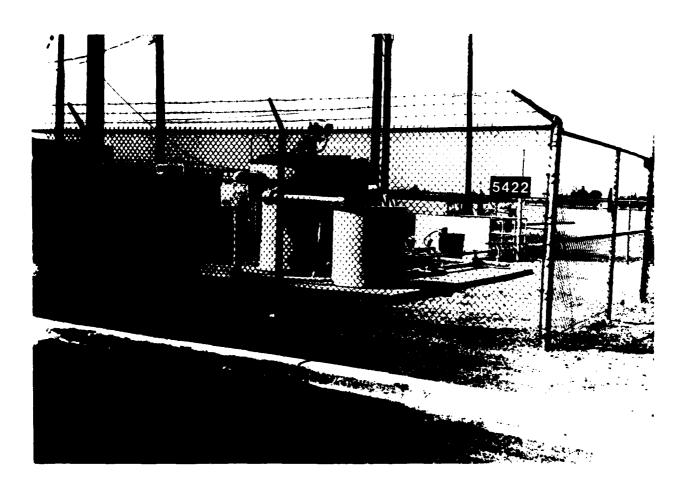


Figure 4. Aircraft Washrack and Separator, Site 40

### c. Housing, Hospital, and Test Stand Sewers

- (41) Site 41, MH 298, Near Swan Gate: Wastewater from housing, main base, hospital, and 868 TMMS passes through manhole 298. The average phenol concentration (26  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration does not meet the proposed limit (25  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 5.9  $\mu$ g/L. The BOD/COD ratio (240/240 mg/L) was 1.0. The average oil and grease concentration (13.25 mg/L) was below the limit (100 mg/L). Several VOCs including 1,3-dichlorobenzene (1-day concentration, 58  $\mu$ g/L), ethylbenzene (5-day average concentration, 5.3  $\mu$ g/L), and 1,4-dichlorobenzene (5-day average concentration, 2.7  $\mu$ g/L) were present in the wastewater. The average cyanide concentration (0.007 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (42) Site 42, MH 376, Alamo Ave: Wastewater from the hospital passes through manhole 376. The average phenol concentration (40.75  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration would exceed the proposed limit (25  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 5  $\mu$ g/L. The BOD/COD ratio (280/847 mg/L) is 0.33. The average oil and grease concentration (8.5 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.005 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (43) Site 43, MH 502, Quijota Blvd: Wastewater from the housing area passes through manhole 502. The average phenol concentration (38  $\mu g/L$ ) met the current limit (50  $\mu g/L$ ). However, this concentration would exceed the proposed limit (25  $\mu g/L$ ). The phenol concentration measured by EPA Method 604 was 20  $\mu g/L$ . The BOD/COD is (152/280 mg/L) was 0.54. The average oil and grease concentration (36 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.006 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (44) Site 44, MH 315A, Housing Branch: Wastewater from the housing area passes through manhole 315A. The average phenol concentration (34  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit (25  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 8  $\mu$ g/L. The BOD/COD ratio (159/293 mg/L) was 0.54. The average oil and grease concentration (8.4 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.007 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (45) Site 45, MH 13, Davenport St: Wastewater from the housing area passes through manhole 13. The average phenol concentration (44  $\mu$ g/L) met the current limit (50  $\mu$ g/L). However, this concentration exceeded the proposed limit (25  $\mu$ g/L). The phenol concentration measured by EPA Method 604 is 8  $\mu$ g/L. The BOD/COD ratio (152/590 mg/L) was 0.27. The average oil and grease concentration (45 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.007 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.

- (46) Site 46, Oil/water separator, Test Stand, building 224: Separator effluent contained low surfactant (0.1 mg/L) and high phenol (70 µg/L) concentrations. The BOD/COD ratio (29/220 mg/L) was 0.13. Oil and grease (103 mg/L) and total extractable petroleum hydrocarbons (56.8 mg/L) concentrations were high. Several VOCs including 1,1-dichloroethene (52 µg/L), 1,1-dichloroethane (199 µg/L), trans-1,2-dichloroethene (166 µg/L), trichloroethylene (479 µg/L), and 1,1,1-trichloroethane (1309 µg/L) were present in the wastewater. All regulated toxic metals concentrations were below the limits. The VOC results suggested improper disposal of solvents since the use of trichloroethylene has been discontinued for some years.
- (47) Site 47, Oil/water separator, Test Stand, building 225: Separator effluent contained low surfactant (0.1 mg/L) and high phenol (725 µg/L) concentrations. The BOD/COD ratio (8,308/15,000 mg/L) was 0.55. Oil and grease (13.4 mg/L) and total extractable petroleum hydrocarbons (7.3 mg/L) concentrations were low. Several VOCs including methylene chloride (32 µg/L), 1,4-dichlorobenzene (39 µg/L), and 1,1,1-trichloroethane (14 µg/L) were present in the wastewater. The lead level (579 µg/L) exceeded the permit limit. All other regulated toxic metal concentrations were below the limits. Results indicate paint stripping or paint stripping waste disposal had occurred at this location.
- (48) Site 48, Oil/water separator, Test Stand, building 225 (NTR): Separator effluent contained low surfactant (3.4 mg/L) and phenol (35  $\mu$ g/L) concentrations. The BOD/COD ratio (138/750 mg/L) is 0.18. Oil and grease (13.6 mg/L) and total extractable petroleum hydrocarbons (2.9 mg/L) concentrations were low. Amounts of trans-1,2-dichloroethene (93  $\mu$ g/L) and 1,1,1-trichloroethane (5.3  $\mu$ g/L) were found in the waste. Degreasing or disposal of degreasers has occurred at this location. All regulated toxic metals concentrations were below the limits.
- (49) Site 49, Oil/water separator, Test Stand, South Taxiway Run-up Pad: Separator effluent contained low surfactant (1.2 mg/L) and phenol (17  $\mu$ g/L) concentrations. The BOD/COD ratio (45/600 mg/L) was 0.08. Oil and grease (1.6 mg/L) and total extractable petroleum hydrocarbons (<0.3 mg/L) concentrations were low. All regulated toxic metal concentrations were below the limits.

#### d. AMARC

(50) Site 50, MH 342, AMARC Aircraft Storage Area: Wastewater from the AMARC Storage Area passes through manhole 342. The average phenol concentration (24  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration also meets the proposed limit (25  $\mu$ g/L). The phenol concentration measured by EPA Method 604 was 13  $\mu$ g/L. The BOD/COD ratio (73/485 mg/L) was 0.15. The average oil and grease concentration (12 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.012 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.

- (51) Site 51, AMARC Washrack: Wastewater from the AMARC washrack is connected to the sanitary sewer system at an undesignated manhole. The average phenol concentration (12.5  $\mu$ g/L) met the current limit (50  $\mu$ g/L). This concentration also meets the proposed limit (25  $\mu$ g/L). The BOD/COD ratio (119/392 mg/L) was 0.30. The average oil and grease concentration (4 mg/L) was below the limit (100 mg/L). The average cyanide concentration (0.007 mg/L) was below the limit (1 mg/L). All regulated toxic metal concentrations were below the limits.
- (52) Site 52, MH 364, AMARC, Small Parts Cleaning: Wastewater from AMARC Small Parts Cleaning passes through manhole 364. The phenol concentration (580  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). The phenol concentration mrasured by EPA Method 604 was 170  $\mu$ g/L. The oil and grease concentration (21.6 mg/L) was below the limit (100 mg/L). Several VOCs including methylene chloride (10  $\mu$ g/L), 1,2-dichloroethane (8.2  $\mu$ g/L), and 1,1,1-trichloroethane (10  $\mu$ g/L) were present in the wastewater. The cyanide concentration (0.03 mg/L) was below the limit (1 mg/L). The cadmium level (464  $\mu$ g/L) exceeded the permit limit. Paint stripping wastes typically contained cadmium. All other regulated toxic metal concentrations were below the limits.
- (53) Site 53, Oil/water separator, AMARC Out Processing, building 7408: Separator effluent contained low surfactant (1.4 mg/L) and phenol (30  $\mu$ g/L) concentrations. The BOD/COD ratio (45/400 mg/L) was 0.11. Oils and grease (13.8 mg/L) and total extractable petroleum hydrocarbons (11 mg/L) concentrations were low. Small amounts of 1,3-dichlorobenzene (45  $\mu$ g/L), chloroform (1.2  $\mu$ g/L), dichlorodifluoromethane (1.5  $\mu$ g/L), and toluene (0.8  $\mu$ g/L) were present in the wastewater. All regulated toxic metals concentrations were below the limits.
- (54) Site 54, Oil/water separator, NDI, building 7401: Separator effluent contained low surfactant (32 mg/L) and high phenol (870  $\mu$ g/L) concentrations. The BOD/COD ratio (183/1150 mg/L) was 0.16. Oil and grease (568 mg/L) and total extractable petroleum hydrocarbons (211 mg/L) concentrations were low. Small amounts of 1,1-dichloroethane (0.6  $\mu$ g/L), methylene chloride (7.9  $\mu$ g/L), and 1,1,1-trichloroethane (9.3  $\mu$ g/L) were present in the wastewater. The cadmium level (407  $\mu$ g/L) exceeded the permit limit. Paint stripping wastes typically contained phenols, methylene chloride, and metals including cadmium. All other regulated toxic metal concentrations were below the limits.
- (55) Site 55, Oil/water separator, AMARC, Engine Can Yard, building 7340: Separator effluent contained low surfactant (48 mg/L) and high phenol (2550 µg/L) concentrations. The BOD/COD ratio (2167/6250 mg/L) was 0.35. Oil and grease (235 mg/L) and total extractable petroleum hydrocarbons (156.8 mg/L) concentrations were high. Several VOCs including carbon tetrachloride (28 µg/L) and 1,1,1-trichloroethane (76 µg/L) were present in the wastewater. The cadmium (326 µg/L) and lead (985 µg/L) levels exceeded the permit limits. All other regulated toxic metals concentrations were below the limits. However, the zinc concentration (2.33 mg/L) approached the limit of 2.6 mg/L.

- (56) Site 56, Oil/water separator, AMARC Washrack, building 7425: Separator effluent contained high surfactant (440 mg/L) and moderate phenol (40 µg/L) concentrations. The BOD/COD ratio (987/4250 mg/L) was 0.23. Oil and grease (504 mg/L) and total extractable petroleum hydrocarbons (408 mg/L) concentrations were high. Small amounts of methylene chloride (46 µg/L) and tetrachloroethylene (22 µg/L) were present in the waste. The cadmium level (766 µg/L) exceeded the permit limit. Paint stripping wastes typically contained phenols, methylene chloride, and cadmium. All other regulated toxic metal concentrations were below the limits.
- (57) Site 57, Oil/water separator, AMARC Support Equipment, building 7222: Separator effluent contained low surfactant (4.9 mg/L) and high phenol (227  $\mu$ g/L) concentrations. The BOD/COD ratio (222/1000 mg/L) was 0.222. Oil and grease (156.8 mg/L) and total extractable petroleum hydrocarbons (145.6 mg/L) concentrations were high. Small amounts of 1,1-dichloroethene (11  $\mu$ g/L), 1,2-dichloroethane (4.3  $\mu$ g/L), and toluene (14  $\mu$ g/L) were present in the waste. The cadmium level (135  $\mu$ g/L) exceeded the permit limit. Paint stripping wastes typically contained metals such as zinc and cadmium, phenols and methylene chloride. All other regulated toxic metal concentrations were below the limits.
- (58) Site 58, Oil/water separator, AMARC In Processing, building 7448A: Separator effluent contained low surfactant (9.2 mg/L) and high phenol (109  $\mu$ g/L) concentrations. The BOD/COD ratio (5/575 mg/L) was questionable due to the low BOD result. Oil and grease (110.4 mg/L) and total extractable petroleum hydrocarbons (103.2 mg/L) concentrations were high. All regulated toxic metals concentrations were below the limits.
- (59) Site 59, Oil/water separator, AMARC In Processing, building 7448B: Separator effluent contained low surfactant (9.4 mg/L) and phenol (105  $\mu$ g/L) concentrations. The BOD/COD ratio (69/900 mg/L) was 0.08. Oil and grease (48 mg/L) and total extractable petroleum hydrocarbons (19 mg/L) concentrations were low. Small amounts of 1,2-dichloroethane (8.6  $\mu$ g/L), 1,1-dichloroethene (5.6  $\mu$ g/L), 1,1,1-trichloroethane (5.4  $\mu$ g/L), and carbon tetrachloride (6.0  $\mu$ g/L) were present in the waste. All regulated toxic metals concentrations were below the limits.
- (60) Site 60, Officer's Club: The Officer's Club is connected to the sanitary sewer system through a grease trap. This sample was from the clean-out portal. The average phenol concentration (177  $\mu$ g/L) exceeded the current limit (50  $\mu$ g/L). This concentration also exceeded the proposed limit of 25  $\mu$ g/L. The BOD/COD ratio (1800/1850 mg/L) of 0.97 showed the wastewater is domestic. The average oil and grease concentration (115.2 mg/L) exceeded the limit (100 mg/L). Cyanide (0.022 mg/L) met the limit of 1 mg/L. All regulated toxic metal concentrations are below the limits.
- 3. Industrial Wastewater Laboratory Results. The results indicated that cadmium which averaged 110  $\mu$ g/L in the sample was reduced to less than 100  $\mu$ g/L in all cases. The zinc concentration was reduced from 335  $\mu$ g/L to less than 100  $\mu$ g/L and iron reduced from an average of 3300 to 352  $\mu$ g/L with NaOH. Unfortunately, the ICP metals screen sensitivity was not sufficient to determine percent removal, however, either alum or sodium hydroxide addition appears to reduce the target metal, cadmium below the limit. Analytical results are presented in Appendix H.

- B. Summary of Waste Disposal Practices at Davis-Monthan AFB. The waste disposal practices for different categories of waste are summarized in this section. A summary of disposal practices for each waste category is contained in Appendix B.
- 1. Waste oils and fluids are placed in bowsers, 55-gallon drums or underground waste oil storage tanks and stored at the designated accumulation site. The waste is transported from the accumulation sites to DRMO and stored until the waste oil contractor picks it up. In some cases, waste oils and fluids are discharged to oil/water separators that are periodically cleaned out by a contractor. Currently, waste oils and fluids are sold as POL. The payment received is based on demand at the time of disposal.
- 2. Waste paints and thinners are generally placed in 5-gallon cans or 55-gallon drums and stored at the appropriate accumulation site. The waste is then transported to DRMO for storage until it is picked up by a contractor for disposal as hazardous waste.
- 3. Uncontaminated fuel is taken to POL for reclamation. Fuel contaminated with less than 10% water is used at the FTP. Other contaminated fuel is drummed and disposed as POL through DRMO.
- 4. Used lead-acid batteries are drained into sinks and rinsed out with water. The spent electrolyte and rinse water are neutralized before being discharged down the drain to the sanitary sewer.
- 5. Waste petroleum-based solvents (e.g., Rinsolve 140) are drummed and disposed as POL through DRMO. Other solvents (e.g., TCA, toluene, and MEK) are either used in process or drummed and disposed as hazardous waste through DRMO.
- 6. Waste fixers are processed through a silver recovery unit before being discharged down the drain to the sanitary sewer. All other photo chemicals are discharged down the drain to the sanitary sewer.
- 7. Waste dye-penetrant and magnetic particle solution generated at NDI shops are drummed and disposed through DRMO. Waste emulsifier and developer are discharged down the drain to the sanitary sewer.
- 8. Dirty cleaning rags from most shops are disposed as municipal waste. The 355 EMS has a contract with Industrial Uniform Services for cleaning rags.
- 9. Paint filters from the dry paint booth at 836 TRANS Allied Trades, 836 CSG Auto Hobby, and 41 ECS Corrosion Control are disposed as municipal waste.
- 10. Speedy Dry, used to clean up small spills, is disposed as municipal waste.
  - 11. Empty aerosol cans are disposed as municipal waste.
- 12. Waste antifreeze is stored in 55-gallon drums and disposed through DRMO.

- 13. Rinse water generated from triple-rinsing pesticide and herbicide containers and cleaning equipment is used for mixing the chemicals. A small amount of triple-rinse water is discharged down the drain to the sanitary sewer.
- 14. Soaps and cleaning compounds are discharged down the drain to oil/water separators connected to the sanitary sewer.
- 15. Chemicals used in heating and cooling facilities are discharged down the drain to the sanitary sewer.
- 16. Chemicals used at the Dental Clinic are diluted with water and discharged down the drain to the sanitary sewer.
- 17. Plastic bead blasting media is disposed as municipal waste. Baseline waste analyses have been performed; the waste was determined to be nonhazardous.

#### IV. CONCLUSIONS

- A. The wastewater flowing through site 1 (manhole 123) is characterized by moderate biochemical oxygen demand and moderate chemical oxygen demand. Phenol levels are below the permit limits. However, this concentration will not meet the proposed limit. Total phenol (EPA Method 420) and phenol (EPA Method 604) concentrations suggest that most of the phenols are nontoxic. These are usually phenoxy compounds found in soaps or cleaning compounds. Shop personnel throughout the base maintain that paint stripping chemicals (i.e., methylene chloride and phenol) are not discharged to the sanitary sewer. However, levels found in the wastewater flowing off-base and in several oil/water separators suggest strippers are being rinsed off and allowed to enter the shop drains in significant quantities. Wastewater from sites 26 and 32 contains significant amounts of methylene chloride. Wastewater from sites 8, 33, and 47 contains lower levels.
- Oil and grease concentrations at site 1 are below the permit limits but are significant. Total extractable petroleum hydrocarbons account for 22 percent of the oil and grease total. This implies the oil and grease waste is domestic (cooking grease). Wastewater from sites 6, 10, 12, and 24 contains large amounts of oil and grease. Wastewater from sites 33, 35, 39, 54, 55, 56, and 57 contains lower levels. It is likely the levels vary with the dining facility clean-up schedules. These samples are representative of "after breakfast (0800 0900)" sewage. Significant amounts of several phthalates are present in the wastewater. Phthalates are plastisizers that can leach from our plastic Tygon tubing used to take samples or from plastic pipe used in sewers and water lines.
- B. As mentioned, comparison of phenols by EPA Methods 420 and 604 indicates that the phenols, in most cases, are not chlorinated (as toxic). Chlorinated phenols are typically used in industrial applications. Nonchlorinated phenols (C6H6O), are common ingredients in paint strippers, commercial cleansers and disinfectants. EPA Method 420 detects both chlorinated phenols as well as substituted phenols (such as nonyl phenol ethoxylate which is used as a nonionic surfactant). Analytical results show nonchlorinated substituted phenol levels are significantly higher than

chlorinated toxic phenol levels. A comparison of the EPA Method 420 and EPA Method 604 results which exceeded the proposed limit of 25  $\mu g/L$  is presented in Table 7. Complete phenol results are tabulated in Appendix G.

EPA Method 604 is not a complete analysis of all chlorinated phenols. However, the method does detect those considered priority pollutant chlorinated phenols. Davis-Monthan AFB apparently has limited the use and subsequent disposal of these types of chlorinated phenols. The increased levels of phenol detected by EPA Method 420 are presumed attributable to commercially available compounds containing phenols and organic compounds containing the phenoxy radical such as surfactants and disinfectants and compounds interfering with the EPA Method 420.

Table 7. Phenol Results by Method

	PHENOL COM	CENTRATION		PHENOL CONC	ENTRATION
SITE	EPA 420 (μg/L)	EPA 604 (μg/L)	SITE	EPA 420 (µg/L)	EPA 604 (µg/L)
1	29.4	8.2	34	380	NR
2	43.7	15	35	157	NR
2 3 4	55	29	37	112	NR
	74	20	39	105	NR
6	40	33	40	79	7
7 8	30	13	41	26	5.9
8	59	NR	42	40.8	5
9	37	NR	43	38	20
12	1150	NR	44	34	20
14	28	NR	45	44	8
15	183	NR	46	70	NR
17	27.7	26	47	725	NR
19	100	NR	48	35	NR
20	50	NR	52	580	170
23	105	NR	53	30	NR
24	820	NR	54	870	NR
25	91	NR	55	2550	NR
26	510	NR	56	40	NR
27	50	NR	57	227	NR
32	243	NR	58	109	NR
33	42	NR	59	105	NR
	· <del></del>	****	60	177	NR
			00	111	1411

NR = Not reported, no sample analyzed

Phenol concentrations, analyzed by EPA Method 420, at manholes 115, 376 and 342 (sites 16, 42, 50) met existing pretreatment limits. However, the hospital area (manhole 376) would not meet the proposed reduced limit without pretreatment.

"Apparent" phenol use is widespread. In fact, the wastewater from 43 of 60 sites exceeded the proposed limit (if EPA Method 420 is utilized). High phenol concentrations seem to correlate with washing and parts cleaning and stripping operations locations. The highest phenol concentrations are found in the effluents from the oil/water separators connected to parts cleaning facilities such as AMARC (building 7340), GLCM (building 73), AMARC NDI, and Transportation Fire Truck Maintenance (building 4823).

C. Toxic organic compounds such as methylene chloride and 1,3- and 1,4-Dichlorobenzene are discharged to the sanitary sewer in significant quantities. Discharge points that need to be included in the pretreatment system are presented in Table 8. Most toxic organic discharges are associated with parts cleaning operations (propulsion shops) and paint stripping operations (corrosion control shops). A limit for toxic organic discharges has not been enacted as yet. One method of banning the discharge of any toxic organic compounds, is being considered. Federal pretreatment discharge regulations (40 CFR 400) apply which limit the discharge of total toxic organics (TTO) to 2.13 mg/L. Although complete TTO analysis was not performed at every oil/ water separator, indications are that discharge from the separators meet this standard.

Table 8. Candidates for Connection to Industrial Pretreatment System

	RELATIVE	· · · · · · · · · · · · · · · · · · ·	REASON FOR	CONNECTION	
SITE	FLOW	HIGH PHENOL	HIGH ORGANICS	HIGH METALS	OIL & GREASE
FLIGHT					
14	М	х	X		
23	М	Х			
24	M	X			X
25	L	X	x		
26	H	X	x	x	
27	M	x	X		
32	Н	x	X		
33	L	x	X		
34	М	x		x	x
35	L	х	x		x
37	L	X			
39	L	X	X		x
40	Н	x			
HOSPITA	\L				
42	Н	x			
AMARC					
53	L	x	x		
54	M	x		x	x
55	M	x	x	x	x
56	H	X	x	x	x
57	M	x	^	x	x
58	L	x		^	x
59	Ĺ	x			^
	_	••			

- D. Regulated toxic metals concentrations are below the permit limits at the three Pima County monitoring points. However, several point sources exceed the limits for cadmium, zinc, and lead. Further, the zinc level exceeds the Federal standards for characteristic hazardous waste (40 CFR 260) in the effluent from the oil/water separator connected to 355 AGS Propulsion Branch (building 5245). Federal pretreatment discharge regulations (40 CFR 400) also limit metals discharge for several industrial operations. The results of the bench scale laboratory analyses confirmed reduction of metal concentrations below the limit could be achieved by alum or sodium hydroxide addition.
- E. Several industrial shop oil/water separators from the flight line and AMARC, as well as the hospital should be connected to a pretreatment system to ensure future compliance with the Pima County Discharge Permit. The following shop oil/water separators are chosen to be connected to the separate industrial lines because of high phenol, organics, or metals concentrations. Determining actual flow rates from each shop requires additional study due to the need of monitoring water use over periods longer than this survey. However, subjective flow rates (high, medium, low) from observations are included in Table 8. The overall flows from the flight line, AMARC, and the hospital were 176,000 GPD, 125,000 GPD, and 36,000 GPD, respectively. An estimated 30% of these combined flows represent industrial operations from the flight line and AMARC.
- F. PD-680 usage has been almost eliminated by using Rinsolve 140 rather than PD-680 in degreasing tanks. This saves on hazardous waste disposal costs, as waste PD-680 sometimes fails characteristic hazardous waste tests for ignitability. Rinsolve discharge to the sanitary sewer may add to the apparent phenol concentrations if EPA Method 420 is used. The solvent contains 5.4% (54,000 mg/L) aromatics, benzene and is heavier in molecular weight. Benzene rings may register as phenols using this method. In analytical tests performed by AFOEHL/SA on the product, the undiluted solvent resulted in concentrations off scale. Diluting in aqueous solution (Rinsolve is essentially unsoluble) resulted in concentrations in the 100 to 300 mg/L range, most probably around 120 mg/L in rinsewater (Appendix J).
- G. The Hazardous Waste Specialist is responsible for training shop supervisors and accumulation site managers, who, in turn train shop personnel. The training course is given annually as required by RCRA.
- H. The 355 EMS shops utilize the service of a local linen contractor for cleaning dirty rags. This saves the base the cost of disposing the rags as hazardous waste.
- I. It does not seem possible to significantly reduce the quantity of hazardous waste generated at AMARC. The AMARC industrial facilities do not generate large quantities of hazardous waste on a frequent basis. The majority of the hazardous waste is generated during chemical tank cleaning procedures. These chemical tanks are typically changed out every five to seven years.

#### V. RECOMMENDATIONS

- A. Several separators contain evidence of paint stripping wastes, containing high phenol concentrations, methylene chloride and metals. Chemical stripping should be replaced with other abrasion methods, such as plastic media bead blasting or better sodium carbonate blasting. Tests indicate the contents of these separators should be disposed of as characteristic hazardous waste. The contents of the 355 CRS Propulsion Branch (building 5245) oil/water separator should be disposed of as hazardous waste.
- B. Davis-Monthan AFB should continue petitioning regulators to accept and use EPA Method 604 in place of EPA Method 420 for reporting phenol levels. The base would meet current and proposed limits if EPA Method 604 could be used.
- C. Until a pretreatment system is constructed, soaps and cleaners widely used on base should be analyzed by EPA Method 420. Those containing high levels of phenol (phenoxyl, nonyl) should be replaced by nonphenol soaps.
- D. The use of "paste" on the AMARC small parts cleaning washrack should be reconsidered. Paste is a made-in-house mixture of soap and discarded solvent. Although the mixture is not a hazardous waste, it adds to the wastewater's phenol levels.
- E. The Davis-Monthan AFB pretreatment plant which was designed to treat industrial wastes from selected shops on the flight line, AMARC, and the hospital needs to have the ability to remove TTO and metals as well as reducing phenols.
- F. 23 CAMS Corrosion Control should consider using an alternate stripping method such as sodium bicarbonate blasting or plastic media blasting. Either of these stripping methods should reduce the amount of hazardous waste generated by the shop and would also eliminate the need for the hot paint stripping tanks.
- G. All shops that use Speedy Dry should consider using an alternate absorbent material such as one that is siliceous-based. This type absorbent material reduces clean-up time, requires less absorbent and reduces quantity of waste generated.
- H. DRMO should be contacted to determine if it is possible to find a local contractor who will accept wet lead-acid batteries. This would eliminate the need for neutralizing, sampling, analyzing, and disposing the spent electrolyte.
- I. All shops on base should consider the possibility of establishing a contract with the local linen contractor for supplying cleaning rags. This option may not be feasible in all situations but may prove to be beneficial in others.
- J. The Hazardous Waste Specialist should ensure that all accumulation site and waste oil storage area primary and alternate managers receive hazardous waste training before assuming the position.

- K. The used paint filters at 836 TRANS Allied Trades, 836 CSG Auto Hobby, and 41 ECS Corrosion Control should be analyzed to determine whether or not they are hazardous. If they prove to be nonhazardous, the filters can continue to be disposed as municipal waste.
- L. Rinsolve should not be washed into the sanitary sewer system as it contributed to the apparent phenolic concentrations when EPA method 420 was used.

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- 4. CWC-HDR, Inc., Deficiency Analysis Report For Wastewater Characterization Study and Final Design Material for Project No. DMT 37-0143, Wastewater Treatment System, Irvine CA, (November 1988).
- 5. APHA, Standard Methods for the Examination of Water and Wastewater, 16th Ed., American Public Health Association, Washington DC, (1985).
- 6. USEPA, Methods for Chemical Analysis of Water and Wastewater, EPA-600/4-79-020, March 1983.

APPENDIX A
CHEMICAL WASTE DISPOSAL FORM

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# PLEASE HAVE THIS FORM READY FOR PICKUP BY:

SHOP:		BLDG:	
CONTACT:		AUTOVO	N:
Please fill out this form possible. If you have any call Lt Hedgecock at X5369	y questions on fi		
Examples:	Tank Capacity	Change Out Frequency	
PD-680 used in tank	60 gal	4/year	55-gal drum
Comments: 1/2 gal of MEK process for parts cleaning			on/wipe off
<del></del>		te Dispos	al Method
Brake Fluid	6 gal	plac	ed in
Transmission Fluid	10 gal	same	600-gal
Hydraulic Fluid	3 gal	bows	 er
Motor Oil	50 gal	500-ga	l UGT
Synthetic Oil	8 gal	55-gal	drum

	<b>TIONS:</b> If qu de it.	nestion does not apply to this shop put "N/A"
1.	Does this sho	op have any underground storage tanks?
	If yes:	How many?
		Capacity?
		What is stored in the tank?
		How often is it cleaned out?
		Has it ever been leak-tested?
		drains of the shop lead to an oil/water
		How often is it cleaned out?
3.	Does the shop	have any Safety Kleen units?
	If yes:	How many?
		Tank capacity?
		How often are they serviced?
4.	What does the	shop do with dirty rags?
5.	What does the	e shop do with used "Speedy Dry"?
6.	Describe shop	p activities and responsibilities below:

# PAINT WASTE AND THINNERS

PAINTS	s 	Amount of Wa generated/mo			1	isposa Method	
Latex							
Polyui	rathane						
Ename]	l 						
Other							
Commer							
	ERS (list						
Commer	nts						
STRIP							
Name o	of Strippe	r National Stock #	Amount per	of Waste Month	OR Ta	ank ize	Change Out Freg
					<b>-</b>		

Comm	ent	s								
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ACID	)S 									_
Name			Mar			genera		te Meth th Disp		_
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Comm	ent:	s								-
ВАТТ	ERI	ES								-
Туре	of	Batte	ery	#/Mc	nth			alized in ned in We		•
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Comm	ent	5: 	<del>-</del>							_
										_
		LEANER								
		Soap	Dilut	ion	Ratio		. Stock#	Amt Used / month	Disposal	
		<b></b>					·			
										-
Comm	ents	5								
OILS	ANI	FLUI	DS							

Brake Fluid					
Transmission Fluid					
Hydraulic Fluid					
Motor Oil					
Synthetic Oil					
Other					
Comments					
SOLVENTS/DEGREASANTS					
Name of Chemical	Amt. of Wa	ste OR	Tank	Change	Disposal Method
Carbon Remover					
PD-680 used in tank					
Pd-680 used on washra					
Other:					
	~				
Comments	~				
PHOTO CHEMICALS					
Name of Chemical Ma	nufacturer	Amt/mo	OR Tai	nk Change ze Out fr	Disposal eq Method

						. — — — — — — — —	
			essed through		ecover	y unit be	efore
		nicals					
Nam	e of	Chemical	Manufacturer	National Stock #	Tank Size	Change Out Freq	Disposal Method
	lsifi						
 Dye	Pene	etrant					
	elope	er					
	ments	5					
FUE	LS						
		Fuel	Amount/Mo	onth		Disposal	
ANI	IFRE	EZE					
			Amount/Mo	onth		Disposal	Method

OTHER	R CI	HEMICALS	(Please list a	ny chemica	ls that	t contain	phenols)
 Name	of	Chemical	Manufacturer	National Stock #	Tank Size	Change Out Freq	Disposal Method

Signature of person filling out this form\_\_\_\_\_

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## APPENDIX B

SUMMARY OF WASTE DISPOSAL PRACTICES FOR EACH WASTE CATEGORY

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# SUMMARY OF WASTE DISPOSAL PRACTICES FOR EACH WASTE CATEGORY

WASTE: Oils and Fluids

SHOP	WASTE	QTY(GAL/YR)	DISPOSAL
23 CAMS Engine	Synthetic Oil	48	DNH
868 TMMS Vehicle Maintenance	Trans Fluid	125	DNH
41 ECS Hydraulic	Hydraulic Fluid	24	DNH
41 ECS Propulsion	Hydraulic Fluid	330	DNH
868 TMMS Corrosion Control	Oil and Fluid	440	DNH
836 Auto Hobby	Motor Oil	3000	DNH
836 TRANS Gen/Spec Purp Maint	Motor Oil	7200	DNH
868 TMMS Vehicle Maintenance	Engine Oil	2100	UGT
23 CAMS Phase Dock	Synthetic Oil	240	DNH
355 EMS AGE	Synthetic Oil	660	DNH
355 AGS AMU	Hydraulic Fluid	660	DNH
41 ECS Propulsion	Engine Oil	1320	DNH
355 AGS AMU	Synthetic Oil	660	DNH
41 ECS Aircraft Maint	Hydraulic Fluid	12	DNH
836 TRANS Gen/Spec Purp Maint	Trans Fluid	100	DMH
836 CES Power Production	Hydraulic Fluid	50	DNH
41 ECS Aircraft Maint	Engine Oil	180	DN H
41 ECS AGE	Hydraulic Fluid	660	DNH
868 TMMS AGE	7808 Oil	240	DNH
AMARC Pneudraulics	Hydraulic Fluid	440	DNH
868 TMMS AGE	Motor Oil	220	DNH
AMARC Materials Lab	Hydraulic Fluid	360	DH
41 ECS Aircraft Maint	Turbine Oil	24	DNH
41 ECS AGE	Synthetic Oil	660	DNH
41 ECS Electric	Engine Oil	2	DNH
836 CES Power Production	Motor Oil	150	DNH
355 CRS Pneudraulics	Hydraulic Fluid	36	DNH
836 TRANS Fire Truck Maint	Motor Oil	660	DNH
23 CAMS Phase Dock	Hydraulic Fluid	250	DNH
41 ECS AGE	Motor Oil	660	DNH
AMARC Materials Lab	Engine Oil	360	DNH
355 EMS AGE	Hydraulic Fluid	660	DNH

TOTAL: 22531

WASTE: Safety Kleen

SHOP	WASTE	QTY(GAL/YR)	DISPOSAL
836 Auto Hobby 836 Auto Hobby	Carburetor Clnr Safety Kleen	480 480	SBC SBC
868 TMMS Vehicle Maintenance	Safety Kleen	180	SBC

WASTE: Paint, Thinner, and Stripper

SHOP	WASTE	QTY (GAL/YR)	DISPOSAL
AMARC Corrosion/Paint	Paint Waste	220	DH
355 EMS Armament	Spray Paint	NQ	UIP
41 ECS Corrosion Contro	Poly & Enamel Paint	96	DH
836 Auto Hobby	Paint Filters	240*	T
836 TRANS Allied Trades	Paint Filters	NQ	T
AMARC Small Parts Cleaning	Bead Blast Media	NQ	T
836 TRANS Fire Truck Maint	Spray Paint	NQ	UIP
355 CRS Propulsion	Rinsewater	660	OWS
868 TMMS Corrosion Control	Paint Wastes	30	DH
836 CES Power Production	Paint Thinner	NQ	UIP
41 ECS Corrosion Control	Paint Filters	432*	T
355 CRS Propulsion	Paint Stripper	660	DNH
AMARC Small Parts Cleaning	Paint Stripper	700	DH
41 ECS Corrosion Control	Thinners	60	DH
836 CES Power Production	Spray Paint	NQ	UIP
23 CAMS Corrosion Control	Paints and Thinners	7080	DH
23 CAMS Corrosion Control	Stripper	880	DH

WASTE: Fuel

WASTE	QTY(GAL/YR)	DISPOSAL
JP-4	1200	REC
JP-4	NQ	FTP
Fuel Sludge	275	DNH
JP-4	330	DNH
Diesel	240	DNH
JP-4	120	DNH
Diesel	150	DNH
JP-4	36	DNH
	JP-4 JP-4 Fuel Sludge JP-4 Diesel JP-4 Diesel	JP-4       1200         JP-4       NQ         Fuel Sludge       275         JP-4       330         Diesel       240         JP-4       120         Diesel       150

TOTAL: 2351

WASTE: Antifreeze

SHOP	WASTE	QTY(GAL/YR)	DISPOSAL
836 CSG Auto Hobby	Antifreeze	120	DD
836 TRANS Fire Truck Maint	Antifreeze	60	DD

<sup>\*</sup> Not included in quantity of waste per year

WASTE: Soap

SHOP	WASTE	QTY (GAL/YR)	DISPOSAL
AMARC Small Parts Cleaning	Soap	NQ	ows
41 ECS Fuel System Repair	Soap	NQ	OWS
41 ECS Corrosion Control	Soap	4800	OWS
23 CAMS Corrosion Control	Aircraft Soap	NQ	OWS
868 TMMS Vehicle Maintenance	Biogenic Soap	110	OWS
355 EMS Armament	LA 175 Soap	220	OWS
41 ECS Propulsion	Bio-Franklin Soap	NQ	UIP
836 TRANS Gen/Spec Purp Maint	Steam-It Soap	NQ	OWS
836 Auto Hobby	Albrite Soap	30	OWS
836 Auto Hobby	Roughneck Soap	36	OWS
41 ECS AGE	Aircraft Soap	660	OWS

WASTE: Speedy Dry

SHOP	WASTE	DISPOSAL	
41 ECS Electric	Speedy Dry	Ť	
41 ECS AGE	Speedy Dry	T	
23 CAMS Phase Dock	Speedy Dry	T	
355 EMS AGE	Speedy Dry	T	
41 ECS Fuel System Repair	Speedy Dry	T	
868 TMMS AGE	Speedy Dry	T	
41 ECS Aircraft Maint	Speedy Dry	Т	

# WASTE: Batteries

SHOP	WASTE	QTY(#/YR)	DISPOSAL
41 ECS AGE	Batteries	36	NDD
868 TMMS AGE	Batteries	6	NDD
836 TRANS Gen/Spec Purp Maint	Batteries	NQ	NDD

WASTE: Rags

SHOP	WASTE	DISPOSAL	
41 ECS Hydraulic	Rags	Т	
355 EMS AGE	Rags	SBC	
41 ECS Corrosion Control	Rags	T	
336 TRANS Fire Truck Maint	Rags	T	
355 EMS Wheel and Tire	Rags	SBC	
355 CRS Pneudraulics	Rags	T	
336 CES Power Production	Rags	T	
23 CAMS Phase Dock	Rags	T	
H ECS Electric	Rags	T	
MMARC Pneudraulics	Rags	T	
55 EMS Armament	Rags	SBC	
11 ECS Fuel System Repair	Rays	T	
II ECS Aircraft Maint	Rags	T	
368 TMMS AGE	Rags	T	
3 CAMS Engine	Rags	τ	
11 ECS Propulsion	Rags	Т	
55 EMS NDI	Rags	SBC	
336 TRANS Gen/Spec Purp Maint	Rags	T	
HI ECS AGE	Rags	T	

WASTE: Photo & NDI

SHOP	WASTE	QTY(GAL/YR)	DISPOSAL
355 EMS NDI	Dye Penetrant	110	DH
AMARC NDI	Penetrant	55	DH
836 HOSP Dental Clinic	X-Ray Fixer	24	SRDD
355 EMS NDI	X-Ray Fixer	600	SRDD
355 EMS NDI	Emulsifier	110	DD
355 EMS NDI	Developer	110	DD
AMARC NDI	Emulsifier	55	DH
836 HOSP Dental Clinic	X-Ray Developer	24	DD
AMARC NDI	Developer	55	DH
355 EMS NDI	X-Ray Developer	600	DD
AMARC NDI	Mag Particle Soln	30	DH
355 EMS NDI	Mag Particle Soln	40	DH

WASTE: Solvent

SHOP	WASTE	QTY(GAL/YR)	YR) DISPOSAL	
355 EMS NDI	TCA	100	DH	
41 ECS Propulsion	MEK	NQ	ULP	
355 EMS AGE	Rinsolve 140	110	DNH	
836 TRANS Gen/Spec Purp Maint	Rinsolve 140	300	DNH	
41 ECS Propulsion	Toluene	NQ	UIP	
41 ECS Hydraulic	Rinsolve 140	320	DNH	
355 CRS Propulsion	Carbon Remover	660	DH	
355 EMS Wheel and Tire	TCA	NQ	ЧIU	
AMARC Materials Lab	Freon	60	DH	
41 ECS AGE	Rinsolve 140	NQ	DNH	
355 AGS AMU	Citrikleen	NQ	Q1D	
AMARC Small Parts Cleaning	Carbon Remover	700	DH	
336 HOSP Clinical Lab	Xylene	36	DH	
II ECS AGE	PD-680	48	DH	
AMARC Materials Lab	Nitric Acid	1	UIP	
11 ECS Aircraft Maint	PD-680	30	DH	
MARC Small Parts Cleaning	Phosphoric Acid	5	DH	
11 ECS Propulsion	PD-680	1 38	DH	
AMARC Materials Lab	Hydrochloric Acid	12	UIP	
355 CRS Pneudraulics	Rinsolve 140	640	DNH	
AMARC Small Parts Cleaning	Rinsolve 140	NQ	OWS	
355 EMS Wheel and Tire	Rinsolve 140	300	DNH	
355 CRS Propulsion	Rinsolve 140	660	DNH	
41 ECS Fuel System Repair	MEK	NQ	qID	
AMARC Pneudraulics	Rinsolve 140	165	DNH	
23 CAMS Engine	Rinsolve 140	NQ	DNH	
AMARC Small Parts Cleaning	NaOH	NQ	REP	
336 HOSP Clinical Lab	Alcohol	25	DD	
41 ECS Electric	MEK	12	UIP	
AMARC Small Parts Cleaning	TCA	NQ	REP	

WASTE: Misc Chemicals

SHOP	WASTE	QTY(GAL/YR)	DISPOSAL
836 HOSP Dental Clinic	Acetone	NQ	UIP
836 HOSP Dental Clinic	Vapo-Steril	24	DD
836 HOSP Clinical Lab	Formalin	200	DD
836 HOSP Dental Clinic	Ultrasonic Cl	eaner 12	DD
836 HOSP Dental Clinic	Dialdehyde	120	DD
836 HOSP Dental Clinic	Potassium Cya	nide NQ	DD
41 ECS Electric	Dibromoethane	60	UIP
836 HOSP Dental Clinic	Wax Solvent	2	DD
836 HOSP Dental Clinic	Chloroform	NQ	UIP
836 HOSP Dental Clinic	Vacuucleaner	480	DD
836 CES Heating Plant	Phosphate	2400	DD
836 CES Refrigeration	Inhibitor	NQ	DD
836 CES Refrigeration	Cooling Tower	Treat NQ	DD
836 CES Heating Plant	Sodium Bisulf		DD
836 CES Heating Plant	Sulfamic Acid	1380	NDD
41 ECS Electric	Liquid Oxygen		UIP
836 CES Heating Plant	Cyclohexylamir		DD
		TOTAL: 11878	
LEGEND: SEPARATOR	T - TRASH	ows -	OIL/WATER
Oli Alia Ion	DD - DOWN DRAIN DH - DRUMMED HAZ		FIRE TRAINING PIT
REC - RECYCLED	SBC - SERVICED BY	CONTRACTOR	OOED IN LUCCESS
REP - REPLENISHED	NDD - NEUTRALIZED	THEN DOWN DRAIN	
UGT - UNDERGROUND TANK DNH - DRUMMED NON HAZ WASTE	SRDD - SILVER RECOV DOWN DRAIN	ERY THEN	

# APPENDIX C WASTES DISPOSED AS HAZARDOUS WASTE AT DAVIS-MONTHAN AFB

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Type of Waste: Hydraulic Fluid

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
AMARC Materials Lab	7615	Hydraulic Fluid	360
		ΤΟTA	L: 360

Type of Waste: Paint, Thinner, & Stripper

SHOP	BLD #	PRODUCT QT	Y (GAL/YR
AMARC Corrosion/Paint	7425	Paint Waste	220
355 CRS Propulsion	5245	Paint Stripper	660
41 ECS Corrosion Control	136	Thinners	60
23 CAMS Corrosion Control	5255	Paints and Thinners	7080
41 ECS Corrosion Control	236	Poly & Enamel Paint	96
868 TMMS Corrosion Control	72	Paint Wastes	30
23 CAMS Corrosion Jontrol	5255	Stripper	880
AMARC Small Parts Cleaning	7401	Paint Stripper	770*

Type of Waste: NDI

SHOP	BLDG	PRODUCT (	QTY (GAL/YR)
AMARC NDI	7401	Developer	55**
355 EMS NDI	5406	Mag Particle Soln	40
AMARC NDI	7401	Penetrant	55**
AMARC NDI	7401	Mag Particle Soln	30
AMARC NDI	7401	Emulsifier	55**
355 EMS NPI	5406	Dye Penetrant	110

Type of Waste: Solvent

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
AMARC Small Parts Cleaning	7401	Carbon Remover	700*
AMARC Small Parts Cleaning	7401	Phosphoric Acid	5
41 ECS Propulsion	133	PD-680	1 38
836 HOSP Clinical Lab	400	Xylene	<b>3</b> 6
355 CRS Propulsion	5245	Carbon Remover	660
41 ECS Aircraft Maint	139	PD <b>-</b> 680	30
41 ECS AGE	125	PD-680	48
AMARC Materials Lab	7615	Freon	60
355 EMS NDI	5406	1,1,1-TCE	100

\* Changed out every 5 years \*\* Changed out every 7 years

## APPENDIX D

WASTES DISCHARGED TO THE SANITARY SEWER AT DAVIS-MONTHAN AFB

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#### WASTES DISCHARGED TO THE SANITARY SEWER AT DAVIS-MONTHAN AFB

Type of Waste: Rinsewater

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
355 CRS Propulsion	5245	Rinsewater	660

TOTAL: 660

Type of Waste: Antifreeze

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
836 TRANS Fire Truck Maint 836 Auto Hobby	4823 4531	Antifreeze Antifreeze	60 120

TOTAL: 180

Type of Waste: Soap

SHOP	BLDG.	PRODUCT	QTY (GAL/YR)
23 CAMS Corrosion Control	5255	Aircraft Soap	NQ
836 TRANS Gen/Spec Purp Maint	4507	Steam-It Soap	ΝQ
AMARC Small Parts Cleaning	7401	Soap	NQ
41 ECS AGE	125	Aircraft Soap	660
355 EMS Armament	4710	LA 175 Soap	220
836 Auto Hobby	4531	Albrite Soap	30
868 TMMS Vehicle Maintenance	72	Biogenic Soap	110
836 Auto Hobby	4531	Roughneck Soap	36
41 ECS Fuel System Repair	136	Soap	MQ
41 ECS Corrosion Control	136	Soap	4800

TOTAL: 5856

Type of Waste: Sulfuric Acid

SHOP	BLDG	PRODUCT	QTY (#/YR)
868 TMMS AGE	72	Batteries	6
41 ECS AGE	125	Batteries	36
836 TRANS Gen/Spec Purp Maint	4507	Batteries	NQ

Type of Waste: Photo & NDI

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
355 EMS NDI	5406	X-Ray Developer	600
355 EMS NDI	5406	X-Ray Fixer	600
355 EMS NDI	5406	Developer	110
836 HOSP Dental Clinic	400	X-Ray Fixer	24
836 HOSP Dental Clinic	400	X-Ray Developer	24
355 EMS NDI	506	Emulsifier	110

TOTAL: 1468

Type of Waste: Solvent

SHOP	BLDG	PRODUCT	QTY (GAL/YR)
AMARC Small Parts Cleaning 836 HOSP Clinical Lab	7401 400	Rinsolve 140 Alcohol	NQ 25
		<del></del>	

TOTAL: 25

Type of Waste: Misc Chemicals

QTY (C	GAL/YR)
	NQ
r Treat	NQ
fite 24	400
24	400
anide	NQ
	2
· 4	480
leaner	12
ine 24	100
	200
d 53	309
-	120
·	24
	1

APPENDIX E

MASTER LIST OF SHOPS

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## MASTER LIST OF SHOPS

SHOP	CONTACT	BUILDING	EXTENSION
823 CAMS			
Engine Phase Dock Aircraft Maint Corrosion Control Fuel Systems	MSgt Steel TSgt Johnson 2Lt Banks MSgt Koernig MSgt Barnett	1358 1447 1541 5255 5256	5275
355 EMS			
NDI AGE Armament Wheel and Tire	TSgt Johnson SMSgt Morris MSgt Tilden SrA Nalley	5406 4127 4710 4809	5352 4432
836 TRANS			
Gen & Spec Maint Allied Trades Fire Truck Maintenance	Mr Moffitt Mr Moffitt Mr Scheets	4705 4705 4823	5394 4987 5001
823 CES			
Refrigeration Power Production Entomology Liquid Fuels Heating Plant	TSgt Moore MSgt Terry TSgt Figueredo Mr Rogalski Mr Estrada	5309 5122 5319 5309 5309	4694 4520 5368 4983 3139
868 TMMS			
AGE Corrosion Control Vehicle Maint	TSgt Walker TSgt Korzenaski TSgt Brown	72 72 72	3201 5199 4994
41 ECS			
Fuel System Repair Hydraulic Isochronal Electric Propulsion Corrosion Control AGE Aircraft Maint	SAmn Winter Sgt Mundy SSgt Linkous TSgt Van Vranken TSgt Tiensvold MSgt Thunstrum SSgt Holyfield MSgt Bagwell	136 136 136 129 133 136 125 139	4640 5847 5845 5878 5741 4151 3988 5995
AMARC			
Corrosion/Paint Materials Lab Pneudraulics NDI Small Parts Cleaning	Mr Wilson Mr Stutz Mr Berry Mr Machado Mr Gunderson	7425 7615 7415 7401 7401	3263 3387 5636 3670 5402

836 AD HOSP			
Pathology Lab Dental Clinic	Sgt Powell MSgt Soufert	400 400	4732 5005
355 CRS			
Pneudraulics Propulsion	TSgt Amick MSgt South	5045 5245	4331 5376
836 CSG			
Auto Hobby	Mr Booker	4531	3614
355 AGS			
AMU	MSgt Williams	5251	5025

## APPENDIX F DISPOSAL PRACTICES BY SHOP FOR DAVIS-MONTHAN AFB

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### DISPOSAL PRACTICES BY SHOP FOR DAVIS-MONTHAN AFB

SHOP:

23 CAMS Corrosion Control

Building: 5255

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Stripper	880	DH	
Aircraft Soap	NQ	OWS	
Paints and Thinners	7080	DH	
Paints and Thinners	7080	DH	

TOTAL: 7960

SHOP: 23 CAMS Engine

Building: 1348

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Synthetic Oil	48	DNH	
Rinsolve 140	NQ	DNH	
		DNII	
Rags	NQ	1	

TOTAL: 48

SHOP: 23 CAMS Fuel Systems

Building: 5256

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
JP <b>-</b> 4	1200	REC

TOTAL: 1200

SHOP:

23 CAMS Phase Dock

Building: 1447

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Rags	NQ	T	
Speedy Dry	NQ	T	
Synthetic Oil	240	DNH	
Hydraulic Fluid	250	DNH	

SHOP: 355 AGS AMU

Building: 5251

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Hydraulic Fluid Synthetic Oil	660 660	DN H DN H	
JP-4	NQ	FTP	
Citrikleen	NQ	UIP	

TOTAL: 1320

SHOP: 355 CRS Pneudraulics

Building: 5045

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Rags Hydraulic Fluid · Rinsolve 140	NQ 36 640	T DNH DNH	

TOTAL: 676

SHOP: 355 CRS Propulsion

Building: 5245

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Rinsewater	660	OWS	
Rinsolve 140	660	DNH	
Paint Stripper	660	DH	
JP-4	120	DNH	
Carbon Remover	660	DH	

TOTAL: 2760

SHOP: 355 EMS AGE

Building: 4127

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Speedy Dry	NQ	T
Synthetic Oil	660	DNH
Rags	NQ	SBC
JP-4	330	DNH
Rinsolve 140	110	DN H
Hydraulic Fluid	660	DNH
·		

SHOP: 355 EMS Armament

Building: 4710

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
LA 175 Soap	220	OWS
Spray Paint	NQ	UIP
Rags	NQ	SBC

TOTAL: 220

SHOP: 355 EMS NDI

Building: 5406

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Mag Particle Soln	40	DH	
TCA	100	DH	
Dye Penetrant	110	DH	
X-Ray Developer	600	DD	
X-Ray Fixer	600	SRDD	
Emulsifier	110	DD	
Rags	NQ	SBC	
Developer	110	DD	

TOTAL: 1670

SHOP: 355 EMS Wheel and Tire

Building: 4809

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Rinsolve 140	300	DNH
Rags	NQ	SBC
TCA	NQ	UIP

TOTAL: 300

SHOP: 41 ECS AGE

Building: 125

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Motor Oil	660	DNH
Speedy Dry	NQ	T
Batteries	36	NDD
Rags	NQ	T
Rinsolve 140	NQ	DNH
Aircraft Soap	660	OWS
Synthetic Oil	660	DNH
PD-680	и8	DH
Hydraulic Fluid	660	DNH

SHOP: 41 ECS Aircraft Maint

Building: 139

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Hydraulic Fluid	12	DNH	
Engine Oil	180	DNH	
Speedy Dry	NQ	Т	
PD-680	30	DH	
Rags	NQ	T	
Turbine Oil	24	DNH	

TOTAL: 246

SHOP: 41 ECS Corrosion Control

Building: 136

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Soap	4800	OWS
Rags	NQ	Т
Poly & Enamel Paint	96	DH
Paint Filters	432	Т
Thinners	60	DH

TOTAL: 5388

SHOP: 41 ECS Electric

Building: 129

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Liquid Oxygen	2400	UIP
Dibromethane	60	UIP
MEK	12	UIP
Rags	NQ	Т
Speedy Dry	NQ	Τ
Engine Oil	2	DNH
biigine oit		DINTI

SHOP:

41 ECS Fuel System Repair

Building: 136

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
JP-4	36	DN H
Soap	NQ	OWS
Speedy Dry	NQ	T
Rays	NQ	τ
MEK	NQ	UIP
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

TOTAL: 36

SHOP: 41 ECS Hydraulic

Building: 136

QTY(GAL/YR)	DISPOSAL	
24	DNH	
NQ	T	
320	DNH	
	24 NQ	24 DNH NQ T

TOTAL: 344

SHOP: 41 ECS Propulsion

Building: 133

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	<u> </u>
Engine Oil	1320	DNH	
Hydraulic Fluid	330	DNH	
Toluene	NQ	UIP	
MEK	NQ	UIP	
PD-680	1 38	DH	
Bio-Franklin Soap	NQ	UIP	
Rags	NQ	T	

TOTAL: 1788

SHOP: 836 Auto Hobby

Building: 4531

WASTE FRODUCT	QTY(GAL/YR)	DISPOTAL
Antifreeze	120	DD
Carburetor Cleaner	480	SBC
Albrite Soap	30	OWS
Roughneck Soap	36	OWS
Safety Kleen	480	SBC
Paint Filters	240	Т
Motor Oil	3000	DN H

SHOP: 836 CES Heating Plant

Building: 5309

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	_
Cyclohexylamine Sulfamic Acid	2400 1380	DD NDD	
Phosphate	2400	DD	
Sodium Bisulfite	2400	DD	

TOTAL: 8580

SHOP: 836 CES Liquid Fuels

Building: 5309

WASTE PRODUCT	QTY(GAL/YR)	
Fuel Sludge	275	DNH

TOTAL: 275

SHOP: 836 CES Power Production

Building: 5122

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Diesel	150	LNH	
Hydraulic Fluid	50	DNH	
Motor Oil	150	DNH	
Spray Paint	NQ	UIP	
Rags	NQ	T	
Paint Thinner	NQ	UIP	

TOTAL: 350

SHOP: 836 CES Refrigeration

Building: 5309

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Inhibitor Cooling Tower Treat	N Q N O	DD DD	

SHOP: 836 Hosp Clinical Lab

Building: 400

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Xylene	36	DH	
Formlin	200	DD	
Alcohol	25	DD	

TOTAL: 261

SHOP 836 HOSP Dental Clinic

Building: 400

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
X-Ray Developer	24	DD	
Vapo-Steril	24	DD	
Acetone	NQ	UIP	
Ultrasonic Cleaner	12	DD	
Dialdehyde	120	DD	
Potassium Cyanide	NQ	DD	
X-Ray Fixer	24	SRDD	
Vacuucleaner	480	DD	
Wax Solvewnt	2	DD	
Chloroform	NQ	UIP	

TOTAL: 686

SHOP: 836 TRANS Allied Trades

Building: 4705

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Paint Filters	NQ	Т

SHOP: 836 TRANS Fire Truck Maint

Building: 4823

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Motor Oil	660	DNH
Antifreeze	60	DD
Rags	NQ	T
Spray Paint	NQ	UIP

SHOP: 836 TRANS Gen/Spec Purp Maint Building: 4507

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Rinsolve 140	300	DNH
Batteries	NQ	NDD
Motor Oil	7200	DNH
Rags	480	T
Trans Fluid	100	DNH
Steam-It Soap	NQ	OWS

TOTAL: 8080

SHOP: 868 TMMS AGE

Building: 72

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	_
Batteries	6	NDD	
7808 Oil	240	DNH	
Diesel	240	DNH	
Motor Oil	220	DNH	
Speedy Dry	NQ	Т	
Rags	NQ	T	
_			

TOTAL: 706

SHOP: 868 TMMS Corrosion Control

Building: 72

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Oil and Fluid	440	DN H	
Paint Wastes	30	DH	

TOTAL: 470

SHOP: 868 TMMS Vehicle Maintenance

Building: 72

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Safety Kleen	180	SBC	
Biogenic Soap	110	OWS	
Trans Fluid	125	DN H	
Engine Oil	2100	UGT	

SHOP:

AMARC Corrosion/Paint

Building: 7425

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Paint Waste	220	DH

TOTAL: 220

SHOP: AMARC Materials Lab

Building: 7615

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL
Hydrochloric Acid	12	UIP
Engine Oil	360	DNH
Hydraulic Fluid	360	DH
Freon	60	DH
Nitric Acid	1	UIP

TOTAL: 793

SHOP: AMARC NDI

Building: 7401

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	
Emulsifier Mag Particle Soln Penetrant Developer	55 30 55 55	DH DH DH DH	

TOTAL: 195

SHOP:

AMARC Pneudraulics

Building: 7415

WASTE PRODUCT	QTY(GAL/YR)	DISPOSAL	_
Rags	NQ	T	
Hydraulic Fluid	440	DN H	
Rinsolve 140	<b>1</b> 65	DNH	
	_		

Soap NaOH

TCA

WASTE PRODUCT

Phosphoric Acid

Carbon Remover

Paint Stripper Bead Blast Media

Rinsolve 140

SHOP: AMARC Small Parts Cleaning

	Building: 7401
QTY(GAL/YR)	DISPOSAL
5	DH
700	DH
700	DH
NQ	T
NQ	OWS
NQ	REP

REP

OWS

TOTAL: 1405

NQ NQ

NQ

LEGEND: T - TRASH

DH - DRUMMED HAZ WASTE

DD - DOWN DRAIN

REP - REPLENISHED

REC - RECYCLED

UGT - UNDERGROUND TANK

OWS - OIL/WATER SEPARATOR

FTP - FIRE TRAINING PIT

UIP - USED IN PROCESS

SBC - SERVICED BY CONTRACTOR

DNH - DRUMMED NON HAZ WASTE NDD - NEUTRALIZED THEN DOWN DRAIN

SRDD - SILVER RECOVERY THEN

DOWN DRAIN

APPENDIX G
WASTEWATER ANALYTICAL DATA

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1.90 4.60 1.30 <0.3 220.00 280.00 280.00 275.00 192.00 119.00 83.00 115.00	68.00 38.00 68.00 3.60 9.40 12.20	32.00 33.00 36.00	0.16 <.10 0.12	37.60 40.80 49.60	0.33 8.00 6.20	20.50 14.00 13.00	0.02 0.02 0.02	0.02	12.00 11.00	47.00 23.00 15.00	<100 <100 <100	<100 <100 <100	<100 <100 <100	<100 <100 <100		<100 <100 <100	874.00 1638.00 1274.00	<20 <20 <20 <20	<100 <100 <100	1.40 <1 1.10	<100 <100 <100	<10 <10 <10	<10 <10 <10	161.00 123.00 342.00	52.60 52.30 48.40	8.80 8.80 9.20			394.00 139.00 201.00 250.00
32.40 400.00 57.00	58.00	33.00	0.12	37.20	7.60	25.00	0.01	0.01	12.00	20.00	<100	109.00	<100	<100	<50	<100	785.00	<b>&lt;20</b>	<100	1.40	<100	<10	<10	<100	53.10	9.20			383.00
70.40 400.00 166.00	35.00	30.00	0.10	30.00	5.60	17.50	0.01	0.01	11.00	42.00	<100	135.00	<100	<100	<b>&lt;</b> 20	<100	2872.00	31.00	<100	3.30	<100	<10	17.00	325.0r	61.20	10.00			689.00
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Par Lygi			原元	IIIQ/L	阿凡	配元	7/bn	7/bn	ng/L	7/bn	ng/L	T/gu	ng/L	ng/L	T/bn	ng/L	ng/L	7 Zyn	7/gn	ng/I	7Zbn	ng/L	瓦克	邓九	ngÆ	mg/L	1/bn
SITE 1 POT EXTR HYD MCHEMICAL OXYGEN DEMAND MCHEMICAL OXYGEN DEMAND MCHEMICAL OXYGEN DEMAN				TOTAL KJELDAHL NITROGEN																									

AVERAGE	<100 1100.00	ERR 42.50	ERR ERR 510.83	517.40 166.17	922.1/ 60.17 5.18	ERR <100	<100 <100 324.00 5.07	ERR 1.60 1.70	53.50	6.80	1.40 13.00 140.00
	<100 1450.00	47.00	464.00	305.00	64.00 9.80	<100 <100 100	<100 <100 370.00 4.00	2.40			
	<100 1700.00	48.00	675.00	508.00 163.00 877.00	15.00	7100 7100 7100	4100 4100 333.00 6.20	1.30			
	<100 850.00	29.00	412.00	487.00 141.00 864.00	78.00	<100 104.00	<pre>&lt;100 269.00 5.00</pre>	2.20			
	<100 500.00	32.00	398.00	528.00 67.00 942.00	83.00	<100 <100 <100	<100 328.00 11.20	1.60			
	<100 1000.00	37.00	560.00	581.00 179.00 977.00	49.00	<100 <100 <100	<100 333.00 0.80	1.50	75.00	6.80 7.10	13.00
	<100 1100.00	62.00	556.00 15.00	483.00 142.00 914.00	72.00	<100 230.00 <100	<100 274.00 0.60		32.00 5.10	6.80 7.10	1.40 13.00 140.00
	Ton Ton	200円		mg/L my/L manhos	E C C C C C C C C C C C C C C C C C C C	T/bn T/bn	T for T for			7/6n 1/6n	ng/L ng/L
	olved		FLUORIDE Residue Filterable (TDS) Residue Non (SS)	latile nductance	w			NE OBENZENE	METHYL-NE CHLORIDE NAPHTHALENE	HALAIE PHIHALAIE E	BENZYL-BUTYLPHTHALATE BIS(2ETHYLHEXYL)PHTHALAT
! !	BERYLLIUM BORON BORON Dissolved	CHLORIDE	FLUORIDE Residue Filterab Residue Non (SS)	Residue Residue Volatile Specfic Conductance	SULFATE SURFACTANTS TURBIDITY	COBALT MOLYBDENUM TITANIUM	VANADIUM ALK TOTAL SULFIDES	CHLOROFORM CHLOROMETHANE 1,4-DICHLOROBENZENE	METHYL-NE CHLORIDE NAPHTHALENE	DIEINIL FRINALATE DI-n-BUTYL PHTHALATE RROMOMETTANE	BENZYL-BUTYLPHTHALATE BIS(2ETHYLHEXYL)PHTHA

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	1,3-DICHLOROBENZENE 1,4-DICHKIRIBENZENE ETHYL BENZENE TOLUENE	2	3.06 3.06 1.20	14.00 6.10 3.00	4.90 3.50	. 2.00	2.20	1.60	14.00 4.67 1.93 1.20
	601					AVI	AVERAGE		
	BROWODICHLOPOMETHANE	mcg/L	4.4				<b>6.4</b>		
	BROMOFORM	mcg/L	<b>6.7</b>				<b>7.</b> >		
	BROMOMETHANE	mcg/L	6.>				6.>		
	CARBON TETRACHLORIDE	mcg/L	<b>&lt;.</b> 5				 		
	CHLOROBENZENE	mcg/L	<b>9.</b>				9.°		
	CHLOROETHANE	mcg/L	6.>				6.>		
	2-CHLOROETHYIVINYL ETHER	mcg/L	6.>				6.>		
	CHLOROFORM	mcg/L	<b>&lt;.</b> 3				<b>6.3</b>		
	CHLOROMETHANE	mcq/L	<b>8.</b> %				8·×		
	DIBEROMOCHLOROMETHANE		6.>				6.>		
	1,2-DICHLOROBENZENE		<b>1</b>				۲ ۲		
я	1,3-DICHLOROBENZENE		<b>&lt;.</b> 5				<b>&lt;.</b> 5		
<b>a</b>	1,4-DICHLOROBENZENE	mcg/L	<.7				<b>&lt;.7</b>		
	DICHLORODIFLUOROMETHANE	mcg/L	6.9				6.>		
	1,1-DICHLOROETHANE	Incg/L	<b>4.4</b>				<b>4.</b> 4		
	1,2-DICHLOROETHANE	Inco/L	<b>.</b> 3				۰.3 آ		
	1,1-DICHLOROETHENE	mcg/L	<b>ć.</b> 3				£.>		
	TRANS-1, 2-DICHLOROETHENE	mcg/L	<b>&lt;.</b> 5				<b>&lt;.</b> 5		
	1,2-DICHLOROPORPANE	mcg/L	<b>ć.</b> 3				۰.3 ا		
	CIS-1, 3-DICHLOROPROPENE	mcg/L	<b>^.</b> 5				 		
	TRANS-1, 2-DICHLOROPROPEN	mcg/L	<.5				<b>.</b> .5		
	METHYLENE CHLORIDE	mcg/L	4.4				<b>4.</b> 4		
	1,1,2,2-TETRACHLOROETHAN	mcg/L	<b>&lt;.</b> 5				<b>.</b> .5		
	TETRACHLOROE: HYLENE	mcq/L	<b>9.</b>				<b>9.</b> >		
	1,1,1-TRICHLOROETHANE	mcg/L	<b>^.</b> 5				· · 2		
	1,1,2-TRICHLOROETHANE	mcg/L	<b>&lt;.</b> 5				<b>5.</b> >		
	TRICHLOROETHYLENE	mcg/L	<b>&lt;.</b> 5				<b></b> 5		
	TRI CHLOROLUOROMETHANE	mcg/L	4.4				<b>4.4</b>		
	VINYL CHLORIDE	mcg/L	6.9				6.>		

CONTINUED
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SITE

AVERAGE

ur V	;	ζ., ζ.5	/.^ 6.3	<b>6.</b> 3
<b>5.</b> 5	9.7	<b>4.5</b>	<b>6.7</b>	<b>&lt;.3</b>
mcg/L	T POPE	ECG/L	acg/t	mcg/L
602 Benzene	CHLOROBENZENE	1,3-DICHLOROBENZENE	I, 4-DICHLOROBENZENE ETHYLBENZENE	TOLUENE

SITE 2

3.07 645.00 169.17	81.00 17.00	26.67	0.03	44.67	6.67	18.67	90.0	ERR	15.00	43.67	ERR	149.00	<100	<100	<50	<100	1292.33	<20	<100	1.90	<100	<20	<20	204.00	52.23	9.30	ERR	ERR	ERR 326.33
4.80 395.00 212.50	100.00 25.90	29.50	<0.03 <0.03	54.40	10.80	32.00	0.03			40.00		<100	<100	<100	<50	<100	378.00	<20	<100		<100	<20	<20	<100	46.10	9.00			134.00
2.20 390.00 151.00	81.00	25.50	0.03	34.80	8.20	10.50	0.12		•	34.00		<100	<100	<100	<50	<100	2726.00	<20	<100										632.00
2.20 1150.00 144.00	62.00	25.00	0.02	44.80	10.00	13.50	0.03	L	15.00	27.00		149.00	<100	<100	<50	<100	773.00	<20	<100	1.90	<100	<20	<20	136.00	42.00	8.30			213.00
mg/t mg/t		四九四		IIG/L	mg/L	邓元		mg/L	7/bn	7/bn	ng/L	7/bn	ng/L	7/bn	7/bn	ng/L	7/bn	ng/L	ng/t	Ing/L	7/bn	ng/L	ng/L	7/bn	Ing/L	ng/L	7/bn	mg/L	ng/L
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON OIL & GREASE	AMONIA	NITRITE	JEL	PHOSPHORUS ortho PO4	PHOSPHORUS		free	(EPA (	PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	MUIGOS	ICP METALS ALUMINUM

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CTITE	1772

BERYLIUM BORON	T bn Tan	<100 700.00	<100 550.00	<100 600.00	<100 616.67
BORON DISSOLVED	ug/r	50.00	40.00	72.00	54.00
COLOR	.B				ERR
FLUORIDE	mq/L				ERR
Residue Filterable (TDS)	_	484.00	240.00	610.00	444.67
Residue Non (SS)	mq/L	4960.00			4960.00
Residue	mg/L	531.00	689.00		610.00
Residue Volatile	mq/L	573.00	186.00	231.00	330.00
Specfic Conductance	umpos	1006.00	821.00	994.00	940.33
SULFATE	mg/L	29.00	15.00	10.00	18.00
SURFACTANTS	ng/L	7.40	9.00	18.50	10.63
TURBIDITY					ERR
COBALT				<100	<100
MOLYBDENUM				<100	<100
TITANIOM				<100	<100
VANADIUM				<100	<100
ALK TOTAL			318.00	353.00	242.00
SULFIDES		4.00		2.60	4.20

SITE 3 POT EXTR HYD CHEMICAL OXYGEN DEMAND	120g	0.60		AVERAGE 0.60 530.00
3	7/5	141.00		141.00
		4.50		4.50
AMMONTA	Z/SE	21.00		21.00
NITRATE	III V	1.24		1.24
NITRITE		<b>&lt;.02</b>		<.02
TOTAL KJELDAHL NITROGEN	T/DE	64.00		64.00
PHOSPHORUS ortho PO4	EQ.7.	5.60		2.60
PHOSPHORUS	T/bu	11.00		11.00
CYANIDE	III V	0.02		0.05
CYANIDE free	III T			ERR
	ng/L	29.00		29.00
	ng/L	55.00		25.00
ARSENIC	7/bn			ERR
BARIUM	ng/L			ERR
CADMIUM	7/bn			ERR
CHROMIUM	ng/L			ERR
CHROMIUM Hexavalent	7/5n			ERR
COPPER	7/bn			ERR
IRON	ng/L			ERR
LEAD	7/5n			ERR
PANCANESE	7/bn			ERR
MERCURY	7/bn			EKK
NICKEL	ng/L		1	ERR
SELENIUM	7/bn			ERR
SILVER	ng/L			ERR
ZINC	ng/L			ERR
CALCIUM	邓元			ERR
MAGNESIUM	mg/L			ERR
POTASSIUM	ng/L			ERR
SODIUM				E SE
ALUMINOM	ng/L			ERR

CONTINUED
SITE 3

AVERACE

	BERYLIUM	ug/L	450.00	ERR 450.00
	BORON Dissolved	7/50		ERR
	CHLORIDE	五石		BIG
	COLOR	8		EER
	FLUORIDE			
	Residue Filterable (TDS)	ng/L	570.00	570.00
	Residue Non (SS)	III /		STEE
	Residue	IIG/L	1002.00	1002.00
	Residue Volatile	mq/L	413.00	413.00
	Specfic Conductance	Ing/L	1167.00	1167.00
	SULFAITE	mg/L		ERR
	SURFACTANTS	Ind/L	2.00	2.00
	TURBIDITY	B		EIKH
	COBALT	ug/L		ERR
	MOLYBDENUM	ng/L		ERR
	TITANIUM	ng/L		ERR
94	VANIADIUM	ng/L		ERR
4	ALK TOTAL	EQ.	437.00	437.00
	SULFIDES	mg/L		ERR

	STIME 4			AVERAGE
	POT EXTR HYD	mq/L	1.00	1.00
	CHEMICAL OXYGEN DEMAND	III V	480.00	480.00
	BIOCHEMICAL OXYGEN DEMAN	7/ba	122.00	122.00
	TOTAL ORGANIC CARBON		62.00	62.00
	OIL & GREASE	IId/I	4.50	4.50
	AMONIA	ING/L	21.00	21.00
	NTTRATE	mq/L	0.16	0.16
	NITRITE	ng/L	<0.02	<0.02
	TOTAL KJELDAHL NITROGEN	mg/L	48.00	48.00
	PROSPHORUS ortho PO4	Z Z	4.20	4.20
	PROSPHORUS	邓元	8.50	8.50
	CYANIDE	阿人	0.01	0.01
	CYANIDE free	17/5m		ERR
		ng/L	20.00	20.00
		7/gn	74.00	/4.00
	ARSENIC	ng/L		ERR
	BARIUM	ng/L		ERR
	CADMITUM	7/bn		ERR
9!	CHROMIUM	ng/L		ERR
5	CHROMIUM Hexavalent	Z gn		ERR
	COPPER	nd		ERR
	IRON	ng/L		ERR
	LEAD	ng/L		ERR
	MANGANESE	7 on		ERR
	MERCURY	ng/L		ERR
	NICKEL	T/bn		ERR
	SELENTUM	T/bn		FIRE
	SILVER	ng/L		EER
	Z TNC	ng/T		ERR
	CALCITIM	mq/L		ERR
	MACANESTUM	EQ./		ERR
	POTASSTUM	ng/T		ERR
	MILLOS	EQ.7		ERR
	TOP METALS	•		ERR
	ALUMINUM	ng/L		ERR

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	SITE 4 CONTINUED			AVERAGE
	BERYLIUM	nq/L		ERR
	BORCN	ng/L	456.00	456.00
	BORCN Dissolved	Ng/L		ERR
	CHLORIDE	IIQ/L		ERR
	COLOR	8		ERR
	FLUORIDE	T/bu		ERR
	Residue Filterable (TDS) uc	s) ug/L	550.00	550.00
	Residue Non (SS)	III T		ERR
	Residue	mg/L	441.00	441.00
	Residue Volatile	III J	168.00	168.00
	Specfic Conductance	umpos	914.00	914.00
	SULFATE	Ing/L		ERR
	SURFACTANTS	Ing/L	6.50	6.50
	TURBIDITY	13.		ERR
	CORALT	ng/L		ERR
	MOLYBDENUM	7/bn		ERR
	TITANIOM	ng/L		ERR
9	VANADIUM	7/bn		ERR
96	ALK TOTAL	Ing/L	309.00	309.00
	SULFIDES	mg/L		ERR

SITE 5

	BOY ENTRY HAD	ma /T.	1.60	)• <del>-</del>	20
			200.00	200.00	00
	O	II June	209.00		
	TOTAL ORGANIC CARBON	T/pm		ធ	ERR
	OIL & GREASE	III J	1.90	1.90	8
	AMONIA	III J		EI .	ERR
	NITRATE	mq/L		<b>a</b>	ERR
	NITRITE	17/5m		百	æ
	TOTAL KJELDAHL NITROGEN	III T		豆	æ
	PHOSPHORUS ortho PO4	7/5m		<b>a</b>	<b>X</b>
	PHOSPHORUS	II July 12		<b>a</b>	<b>x</b>
	CYANIDE	Ing/L	0.02	0	02
	CYANIDE free	mq/L		EI .	æ.
	PHENOLS (EPA 604)	ng/L	13.00	13.00	00
	_	ng/L		<b>5</b>	æ æ
		7/bn		园	ERR
	BARIUM	7/bn		<b>L</b>	æ
	CADMIUM	ng/L		H	<b>x</b>
07	CHROMIUM	ng/L		<b>E</b>	<b>X</b>
,	CHROMIUM Hexavalent	ng/L		EI .	<b>8</b>
		ng/L		<b>B</b>	æ
	IRON	ng/L		Ø	æ æ
	LEAD	ng/L		B	æ
	MANGANESE	ng/L		B	æ
	MERCURY	ng/L		B	æ
	NICKEL	ng/L		ស	<b>£</b>
	SELENIUM	ng/L		ធ	æ
	SILVER	ng/L		EI .	器
	ZINC	ng/L		<b>L</b>	<b>8</b>
	CALCIUM	mq/L		ы	ERR
	MACNESTUM	IIQ/L		豆	æ
	POTASSIUM	ng/L		百	æ
	SODIUM	ng/L		臣	ERR
	ICP METALS	<b>,</b>		B	ERR
	ALUMINUM	ng/L		函	æ

# SITE 5 CONTINUED

1/bn	ng/L	7/bn	III J	8			IIIQ/L	IIIQ/L	III J	7/5m	7/5m	1/5	13.	7/6n	ng/L	ng/L	ng/I	T/pm	mg/L
BERYLIUM	BORON	BORON Dissolved	CHLORIDE	COLOR	FLUORIDE	Residue Filterable (TDS)	Residue Non (SS)	Residue	Residue Volatile	Specfic Conductance	SULFATE	SURFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANIUM	VANADIUM	ALK TOTAL	SULFIDES
																	98	3	

	9 34113			AVERAGE	SPCE CAE
	POT EXTR HYD	mq/L	64.40		64.40
	CHEMICAL OXYGEN DEMAND	<b>1</b> 2/2	600.00	Ŕ	332.20
	BIOCHEMICAL OXYGEN DEMAN		224.00	2	224.00
	TOTAL ORGANIC CARBON		95.00		95.00
	OIL & GREASE	IIIQ/L	896.00	*	195.50
	APPONIA	II Day	13.50	4	154.75
	NITRATE	mg/L	0.12		6.81
	NITRITE	T/Dat	0.03		0.08
	TOTAL KJELDAHL NITROGEN	17/2m	24.00		24.00
	PHOSPHORUS ortho PO4	Ing/L	20.30		20.30
	PHOSPHORUS	ING/L	36.50		36.50
	CYANIDE	五石	0.02		0.02
	CYANIDE free	12 par			0.02
	PHENOLS (EPA 604)	ng/L	33.00		33.00
	PHENOLS (MTH. 420)	ng/L	40.00		36.50
	ARSENIC	7/bn			40.00
	BARIUM	7/bn			ERR
	CADMIUM	7/bn			EEE
0	CHROMIUM	7/bn			ERR
	CHROMIUM Hexavalent	ng/L			EEE
	COPPER	ng/L			EEE
	IRON	ng/L			ERR
	LEAD	ng/L			EEE
	MAINCANESE	ng/L			EKK
	MERCURY	7/bn			ERR
	NICKEL	7/5n			ERR
	SELENIUM	7/bn			ERR
	SILVER	ng/L			ERR
	ZINC	Ng/L			ERR
	CALCIUM	Ing/L			EEE S
	MAGNESIUM	mq/L			EE
	POTASSIUM	ng/L			ERR
	SODIUM	III T			ERR
	ICP METALS	,			ER
	ALUMINUM	ng/L	257.00		257.00

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SITE

AVERAGE

257.00 1900.00 1900.00 1900.00 1110.00 1303.00 898.50 926.00 1358.00 78.00 78.00 78.00 ERR ERR ERR ERR ERR
<b>0</b> 00000000000000000000000000000000000
1900.00 1110.00 1303.00 494.00 1358.00 78.00
Type Type Type Type Type Type Type Type
BERYLIUM BORON BORON Dissolved CHLORIDE COLOR FILORIDE Residue Filterable (T Residue Non (SS) Residue Volatile Specfic Conductance SULFATE SULFATE SURFACTANTS TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES
100

SITE 7

mg/L 25.20 0.60 mg/L 410.00 610.00 6	mg/L 70.00 70.00 61.00 51.00	35.50 33.00 30.00	0.20 0.16 0.10	0.02 0.02 0.02	: NITROGEN mg/L 38.40 38.40 47.20	mg/L 7.80 7.40 6.60	mg/L 22.00 20.50 11.00	0.02 0.02 0.01	1/bu	ug/L 13.00	ug/L 30.00 30.00 30.00	ug/L <100 <100 <100	<100 <100 <100	<100 <100 <100	<100 <100 <100	: ug/L <50 <50 <50	<100 <100 <100	2013.00 835.00 1060.00	<20 <20 <20	<100 <100 <100	6.40 1.60 1.50	<100 <100 <100	<10 <10 <10	12.00 26.00 <10	101.00 131.00 162.00	49.00 55.30 54.00	8.80 9.90 9.90				ERR
CHEMICAL OXYGEN DEMAND RICCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	AMONIA	NITRATE	NITRITE	DEL DAH	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	free		PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANCANESE	MERCURY	NICKEL	SELENTUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SODIUM	ICP METALS	

AVERAGE

POT EXTR HYD	SITE 8			AVERAGE
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8 204.00 8 204.00 8 20.00 8	HEMICAL OXYGEN DEMAND		850.00	850.00
	CHEMICAL OXYGEN DEMAN		204.00	204.00
756 256 256 256 256 256 256 256 256 256 2	WAT ORCANTO CARBON	ma/L		·
7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7 56 1 7	IL & GREASE	III V	00.96	96.00
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75m 75m 75m 75m 75m 75m 75m 75m	HOSPHORIS ortho PO4	調な石		ERR
ee mg/L FA 604) ug/L Ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L u	HOSPHORUS	mg/L		ERR
free mg/L (WTH. 420) ug/L (WTH. 420) ug/L ug/L  M Hexavalent ug/L ug/L ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  Ug/L  U	YANTDE	IIQ/L		ERR
(EPA 604) ug/L 59.00  (MTH. 420) ug/L 59.00  ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		mq/L		ERR
M Hexavalent ug/L 59.00  M ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	_	nd/I		ERR
ug/L ug/L ug/L wg/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L u	H.E.W.	ng/L	59.00	29.00
ug/L  M Hexavalent ug/L		ng/L		ERR
M Hexavalent ug/L  IM Hexavalent ug/L  Ug/	ARIUM	ng/L		ERR
UM Hexavalent ug/L Ug/L Ug/L Ug/L Ug/L V Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	ADMITTIN	ng/L		ERR
UM Hexavalent ug/L ug/L ug/L ESE ug/L UM ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	HROMIUM	ng/L		ERR
UNY USAL TALS USAL USAL USAL USAL USAL USAL USAL U		ng/L		ERR
UM UG/L	OPPER	ng/T		ERR
ESE UG/L  Y  UG/L	NON	ng/I,		ERR
ESE UG/L  VG/L  UG/L  UM  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L	EAD	ng/L		ERR
TALS  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L  UG/L  UM  UG/L  UG/L  UM/L  UM	ANGANESE	ng/L		ERR
UM UG/L  MA  LOS  LOS  LOS  LOS  LOS  LOS  LOS  LO	ERCURY	ng/L		EERR
UM UG/L  UG/L  UG/L  UM/  UG/L  UM/  UG/L  TALS  UG/L  UM/  UG/L  UG/L  UM/  UG/L	ICKEL	ng/L		ERR
R UG/L UM BG/L SIUM BG/L SIUM UG/L K ETALS UG/L NUM UG/L	ELENIUM	ng/L		ERR
UM BG/L SIUM BG/L SIUM BG/L SIUM BG/L M BG/L M BG/L M BG/L MUM BG/L	TLVER	ng/L		ERR
UM mg/L SIUM mg/L SIUM ug/L M mg/L M mg/L NUM ug/L	CNL	ug/L		ERR
Ton Typu Typu S.	ALCTIM	mq/L		ERR
T/bn S.	ACNESTIM	mg/L		ERR
TALS  UM  UG/L	OTASSIUM	nd/L		ERR
T/bn ST	ODIUM	III /I		ERR
T/bn	CP METALS	١		ERR
	LUMINUM	nd/I		ERR

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ERR ERR ERR 29.00 ERR ERR	770.00 ERR	148.00 863.00	65.00 1.90 ERR	ERR ERR ERR ERR	314.00 ERR ERR ERR ERR	ERR 1.70 0.60 ERR ERR	0.60 0.90 7.00 ERR
29.00	770.00	333.00 148.00 863.00	65.00 1.90		314.00		
29.00	770.00	148.00 863.00	65.00 1.90		314.00	1.70	0.60 0.90 7.00
T gu T gu T gu T gu T gu	Typu (SCI)	# # # \$ \$2 \$2 5 \$5 \$5	mg/L Light	ng L ng L ng L	7 56 7 56 7 56 7 56 7 56	Ton Ton Ton Ton Ton	7.08 7.08 7.08 7.08 7.08
BERYLIUM BORGN BORGN Dissolved CHLORIDE COLOR	Filterable Non (SS)	resique Resique Volatile Specfic Conductance	SURFACTANTS TURBIDITY	COBALT MOLYBDENUM TITANIUM VANADIUM	ALK TOTAL SULFIDES CHLOROFORM CHLOROMETHANE	1,4-DICHLOROBENZENE TRANS-1,2-DICHLOROETHENE METHYLENE CHLORIDE BROMOMETHANE	1,3-DICHLOROBENZENE 1,4-DICHKIRIBENZENE ETHYL BENZENE TOLUENE

SITE 9			AVERAGE
POT EXTR HYD	17/Dan	1.00	1.00
CHEMICAL OXYGEN DEMAND	mg/L	975.00	975.00
BIOCHEMICAL OXYGEN DEMAN		255.00	255.00
TOTAL ORGANIC CARBON	T/Dia	70.00	. 70.00
OIL & GREASE	1/50	4.00	4.00
AMMONIA	Ing/L	5.00	2.00
NITRATE	III 7	0.14	0.14
NITRITE	Ing/L	0.03	0.03
TOTAL KJELDAHL NITROGEN	II DIE	19.20	19.20
PROSPHORUS ortho PO4	II DII	4.00	4.00
PHOSPHORUS	III J	17.50	17.50
CYANIDE	T/Dat		ERR
CYANIDE free	Ing/L		ERR
PHENOLS (EPA 604)	ng/L		ERR
PHENOLS (MTH. 420)	ng/L	37.00	37.00
ARSENIC	ng/L		ERR
BARIUM	ng/L		ERR
CADMITUM	ng/L		ER.
CHROWIUM	ng/L		ERR
CHROMIUM Hexavalent	ng/L		ERR
COPPER	ng/L		ERR
IRON	7/5n		ERR
LEAD	7/bn		ERR
MANCANESE	ng/L		ERR
MERCURY	1/5m		ERR
NICKEL	ng/L		ERR
SELENTUM	ng/L		ERR
SILVER	ng/L		ERR
ZINC	ng/L		ERR
CALCIUM	E L		ERR
MAGNESTUM	mg/L		ERR
POTASSIUM	ng/L		ERR
SODIUM	mg/L		ERR
ICP METALS			ERR
ALUMINUM	ng/L		ERR

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BERYLIUM	T/bn		COL
BORON	ng/L	350,00	350 00
BORON Dissolved	nd/L		00.000
CHLORIDE	III J	150.00	150 071
COLOR	8		
FLUORIDE	mq/L		
Residue Filterable (T	(TDS) uq/L	507.00	507 00
Residue Non (SS)			20: 50: EBB
Residue	II J	621.00	621_00
Residue Volatile	mq/L	26.00	26.00
Specfic Conductance	T/bu	975.00	975.00
SULFAITE	mq/L	65.00	00.00 00.00 00.00
SURFACTANTS	ma/T.		0
TURBIDITY	E	÷ • • •	T;
COBALT	בי בי		EXX
MOLYROPAIM	7 5		EKK
mr mantine	7 Y		ERR
TOTAL TT	7/bn		ERR
WANTED TO THE PARTY OF THE PART	ng/L	1	ERR
ALA TOTAL	mg/L	270.00	270.00
SOLE LUES	7/6m		

AVERACE	1500.00	412.00	00.96	40800.00	1.14	0.74	0.03	8.70	2.20	11.50	500.	ERR	ERR	15.00	<100	103.00	<100	<100	<b>\\$20</b>	<100 	776.00	<b>\\$70</b>	<b>&lt;100</b>	♥ ;	<b>&lt;100</b>	<b>&lt;10</b>	<10	118.00	118.00	91.10	15.70	ERR	ERR	
	1500.00	412.00	96.00	40800.00	1.14	0.74	0.03	8.70	2.20	11.50	.005			15.00	<100	103.00	<100	<100	<b>&lt;</b> 20	<100	776.00	<b>&lt;20</b>	<100	7	<100	<b>&lt;10</b>	<10	118.00	<10 118,00	91.10	15.70			
7				IN TO THE	T/bat	T/ba	IDG/L	mg/L	I Da	mg/L	IIIQ/I	III / J	ng/L	ng/T	ng/I	ng/L	ng/T	ng/L	ng/I	ug/L	ng/T	7 Jon	ng/L	mg/L	ug/L	ng/T	ng/L	ng/L	ug/L		Ind/L	ng/L	mg/L	
SITE 10	CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	OIL & GREASE	AMONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 420)	ARSENIC	BARTUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	TEND	MANGANESE	MERCURY	NICKEL	SELENTUM	SILVER	ZINC	SILVER	CALCIUM	MAGNESTUM	POTASSIUM	SODIUM	TO MENTALS

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ITE

<100	2000 00	00.0000	4 G	A COLOR	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1460 00	00.001	2402 00	00.643	10/2.00	1179.00	104.00	0.10	20.3	7100	100	001	700	100.00	ERR	
<100	5900.00					1460.00		2493.00	1072.00	1179 00	10:00	104.00	0.10		<100	<100	<100	<100	100.00		
7/bn	J/bn	T/bn	ING/L			ESC (SCI							7/5	2	ng/L	T/bn	ng/L	T/bn	mg/L	mg/L	
BERYLIUM	BORON	BORON Dissolved	CHLORIDE	COLOR	FLUORIDE	Residue Filterable (	Residue Non (SS)	Residue	Residue Volatile	Specfic Conductance	CIT DAME	SOURFILE	SORFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANIUM	VANADIUM	ALK TOTAL	SULFIDES	
																	_	- <b>-</b>			

	८ रामक ११			AVERAGE
	POT EXTR HYD		9.40	9.40
	CHEMICAL OXYGEN DEMAND	PG/L	900.006	00.006
	BIOCHEMICAL OKYGEN DEPAN	MG/L	467.00	467.00
	TOTAL ORGANIC CARBON	EG.		ERR
	OIL & GREASE	mg/L	9.60	09.6
	AMEDITA	mq/L		ERR
	NITRATE	EG/L		ERR
	NITRITE	May 7.		EERR
	TOTAL KJELDAHL NITROGEN	mq/L		ERR
	PROSPHORUS ortho PO4	P. C.		ERR
	PHOSPHORUS	72		ERR
	CYANIDE	mg/L		ERR
	CYANIDE free	Type:		ERR
	PHENOLS (EPA 604)			ERR
	_		28.00	28.00
	ARSENIC	ng/L	<100	<100
	BARIUM		<100	<b>100</b>
	CADMIUM		<100	<b>&lt;100</b>
	CHROMIUM		<100	<100
	CHROMIUM Hexavalent			ERR
	COPPER	ng/L	<100	<100
	IRON	ng/L	3083.00	3083.00
	LEAD	ng/L	31.00	31.00
	MANCANESE	ng/L	163.00	163.00
	MERCURY	邓元	<b>1</b>	7
	NICKEL	ng/L	<100	001>
	SELENIUM	ng/L	<10	<10
	SILVER	ng/L	<10	<10
	ZINC	ng/L	311.00	311.00
	CALCTUM	五九四	53.40	53.40
	MAGNESTUM	五石	9.40	9.40
	POTASSIUM	ng/L		ERR
•	SODIUM	mg/L		ERR
	ICP METALS	ng A.	263.00	263.00
	ALCELIANCE:	y i	) )	1

SITE 11 CONTINUED

	BERYLIUM	ng/L	<100	ERR
	BORON	7/bn		ERR
	BORON Dissolved	7/bn		ERR
	CHLORIDE			ERR
	COLOR	8		ERR
	FLUORIDE	mq/L		ERR
	Residue Filterable (TDS)	ng/L		ERR
	Residue Non (SS)	Ind/L		ERR
		Ing/L		ERR
	Residue Volatile	ng/L		ERR
	Specfic Conductance	III / Dia		ERR
	SULFATE	mg/L		ERR
	SURFACTANTS	E L	150.00	150.00
	TURBIDITY	2		ERR
	COBALT	ng/L	<100	<100
	MOLYBDENUM	ng/L	<100	<100
11	TITANIUM	7/bn	<100	<100
0	VANADIUM	ng/L	<100	<100
	ALK TOTAL	Ind/L		ERR
	SULFIDES	EQ/L		ERR
	METHYLENE CHLORIDE	7/bn	5.90	5.90
	601			
	BROMODICHLOROMETHANE	Incq/L	<b>4.</b> 4	4.7
	BROMOFORM	mcg/L	<b></b> >	<b>&lt;.7</b>
	BROMOMETHANE	mcg/L	6.>	6.>
	CARBON TETRACHLORIDE	ECG/L	<b>&lt;.5</b>	5.5
	CHLOROBENZENE	acg/L	9.>	<b>9.</b> >
	CHLOROETHANE	<b>BCG/L</b>	6.>	6.>
	2-CHLOROETHYIVINYL ETHER	mcg/L	6.>	6.>
	CHLOROFORM	ECG/L	<b>&lt;.3</b>	£.>
	CHLOROMETHANE	mcg/L	8.>	&. %

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AVERAGE

	DIBERCHOCHLOROMETHANE	mcq/L	6.>	•	<b>~</b>
	1,2-DICHLOROBENZENE	ECG/L	₽	▽	ದ
	1,3-DICHLOROBENZENE	mcg/L	<b>&lt;.</b> 5	•	~
	1,4-DICHLOROBENZENE	mcg/L	<b>6.7</b>	•	<b>\</b>
	DICHLORODI PLUOROMETHANE	ECG/L	6.>	•	$\ddot{\mathbf{z}}$
	1,1-dichoroethane	ECG/L	<b>4.4</b>	•	;
	1,2-DICHLOROETHANE	mcg/L	<b>&lt;.3</b>	•	~
	1,1-DICHLOROETHENE		<b>&lt;.3</b>	•	<b>;</b>
	TRANS-1, 2-DICHLOROETHENE		<b>&lt;.</b> 5	•	~
	1,2-DICHLOROPORPANE		<b>&lt;.3</b>	•	Ÿ
	CIS-1, 3-DICHLOROPROPENE	ECG/L	<b>&lt;.5</b>	•	<u>;</u>
	TRANS-1, 2-DICHLOROPROPEN		<b>&lt;.</b> 5	•	~
	METHYLENE CHLORIDE		<b>**</b>	•	`.
	1,1,2,2-TETRACHLOROETHAN		<b>&lt;.</b> 5	•	~
	<b>TETRACHLOROETHYLENE</b>		9.5	•	<b>~</b>
1:	1,1,1-TRICHLOROETHANE	mcg/L	<.5	•	3
11	1,1,2-TRICHLOROETHANE	Incg/L	<b>&lt;.</b> 5	•	<u>.</u>
	TRICHLOROETHYLENE	ECG/L	<b>&lt;.</b> 5	•	<b>~</b>
	TRICHLOROLUOROMETHANE	mcg/L	<b>4.4</b>	•	<b>;</b>
	VINYL CHLORIDE	mcg/L	6.>	•	<b>*</b>
	602	mcq/L			
	BENZENE	mcq/L	<b>&lt;.</b> 5	•	~
	CHLOROBENZENE	mcg/L	<b>*.</b> 6	•	÷
	1,2-pichlorobenzene	Incg/L	₽	▽	T
	1,3-DICHLOROBENZENE	mcg/L	<b>^.</b> 5	•	~ ~
	1,4-dichlorobenzene	mcg/L	<b>&lt;.7</b>	•	<b>~</b>
	ETHYLBENZENE	ECG/L	ו3	•	V
	TOLUENE	mcg/L	<b>6.3</b>	•	•

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SITE 12	<b>t</b>	00 613	AVERAGE 512 00
FOI EAST MID		0777 45000 00	00.216
BIOCHEMICAL OXYGEN DEMAN		35027.00	35027.00
IOTAL ORGANIC CARBON	7,50		ERR
OIL & GREASE		912.00	912.00
APPIONIA	邓九		ERR
NITRATE	邓元		ERR
NITRITE	邓元		ERR
TOTAL KJELDAHL NITROGEN			ERR
PHOSPHORUS ortho PO4	7/5		ERR
PHOSPHORUS	mg/L		ERR
CYANIDE	mg/L		ERR
CYANIDE free	EG/L		ERR
PHENOLS (EPA 604)	ng/L		ERR
PHENOLS (MTH. 420)	ng/L	1150.00	1150.00
ARSENIC	7 S	<100	<100
BARIUM	ng/T	198.00	198.00
CADMIUM	ng/L	<100	<100
CHROMITUM	ng/L	<100	<100
THROWIUM Hexavalent	ng/T		ERR
<b>COPPER</b>	ng/F	<100	<100
CRON	ng/L	3596.00	3596.00
LEAD	ng/T	23.00	23.00
PANCANESE	ng/L	112.00	112.00
TERCURY	7/bn	4	₽
VI CKEL	ng/T	<100	<100
SELENTUM	ng/T	<10	<10
SILVER	ng/L	138.00	138.00
ZINC	7/gn	2007.00	2007.00
ALCTUM	mg/L	44.60	44.60
SACNESTUM	mg/L	84.90	84.90
OTASSIUM	ng/L		ERR
	mg/L		ERR
ICF METALS LUMINUM	ng/L	184.00	184.00
	  -		F F F F F F F F F F F F F F F F F F F

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	SITE 12 CONTINUED			AVI	AVERAGE
		110 A.	<100	•	<100
	PODON.	מק"ר.	}		ERR
		107			ERR
	CHI COTTO				ERR
	CHILDE	֓֞֜֝֞֜֜֝֓֓֓֓֓֞֜֜֞֓֓֓֓֞֜֜֓֓֓֓֞֜֓֓֡֓֞֜֜֓֓֡֓֞֜֜֡			ERR
	er months				ERR
	rice rilterable (mS)	1207			ERR
	Mesidue Firefunt (122)				ERR
	Residue Mar (22)				ERR
	Residue Volatile	7/0			ERR
	Specfic Conductance				ERR
	CHERMINE	ma/L			ERR
	CIBERTANTS	Ed/L	300.00		300.00
	TATES TOTAL	12			ERR
	COSSIGN	ng/L	<100		<100
	MOT VEDENTIN	ng/L	702.00		702.00
11	TTTANTIM	ng/L	<100		<100
.3	VANADITIM	ng/L	<100		<100
	ALK TIOTAL	IIQ/L			ERR
	CIL PIDES				ERR
		À			ERR
	1,2-DICHLOROETHANE	J/gn	7.40		7.40 8.10
	METHYLENE CRICKLEE	1 20	9		

SITE 13			AVERAGE
POT EXTR HYD	1/bu	0.60	09.0
CHEMICAL OXYGEN DEMAND		500.00	200.00
BIOCHEMICAL OXYGEN DEMAN		17.00	17.00
TOTAL ORGANIC CARBON	T/bm		ERR
OIL & GREASE	T/ba	09.0	09.0
APPONIA	7/50		ERR
NITRATE	Ind/L		ERR
NITRITE	IIQ7		ERR
TOTAL KJELDAHL NITROGEN			ERR
PHOSPHORUS ortho PO4	7/50		ERR
PHOSPHORUS	I Da		ERR
CYANIDE	T/Dat		ERR
CYANIDE free	II DIII		ERR
PHENOLS (EPA 604)	T/bn		ERR
PHENOLS (MTH. 420)	ng/L	<10	<10
ARSENIC:	ng/L	<100	<100
BARIUM	ngÆ	<100	<100
CADMITUM	ngÆ	<100	<100
CHROMITUM	ng/T	<100	
CHROMIUM Hexavalent	ng/T		ERR
COPPER	ng/T	<100	<100
IRON	7Zbn	271.00	271.00
LEAD	ng/T	<20	<b>&lt;20</b>
MANCANESE	ng/T	<100	<100
MERCURY	阿九	<b>▽</b>	<b>1</b>
NICKEL	7/bn	<100	<100
SELENTUM	ng/T	<10	<10
SILVER	7/bn	27.00	27.00
ZINC	7/bn	<100	<100
CALCTUM	mg/L	51.80	51.80
MAGNESIUM	T/Dat	10.60	10.60
POTASSIUM	ng/L		ERR
SODIUM	ng/L		ERR
ICP METALS ALIMINATE	יום ק.	<100	<100 <100
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SITE

BERYLIUM BORON BORON Dissolved CHLORIDE COLOR FILUCRIDE Residue Filterable (TDS) Residue Non (SS) Residue Volatile Specfic Conductance SULFATE SURFACTANTS TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES 1,2-DICHLOROETHANE METHYLENE CHLORIDE 1,1,1-TRICHLOROETHANE BENZENE		<100 <100 <100 <100 <100 <100 <100 <100	C100 EERR EERR EERR EERR EERR EERR EERR EE
BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBETHANE	acg/L acg/L acg/L acg/L	*	4

6.9 6.9 6.5 6.5 7.5	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	
6; 5 6; 5 7; 5 7; 5 7; 5	o 4 w w w w w w w	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	1,
THER BCG/L BCG/L BCG/L BCG/L BCG/L		N	ECG A PLOCATE BECG A
2-CHLOROETHYTVINYL ETHER CHLOROFORM CHLOROMETHANE DIBEROMOCHLOROMETHANE 1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE	DICHLORODIFIJOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPORPANE CIS-1,3-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE	1,1,2,2-TETRACHLOROETHAN TETRACHLOROETHYLENE 1,1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHYLENE TRICHLOROETHYLENE TRICHLOROLUGROMETHANE VINXL CHLORIDE	602 BENZENE CHLOROBENZENE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 4-DICHLOROBENZENE ETHYLBENZENE TOLUENE
		116	

AVERACE	8.40	200.00	86.00	ERR	42.00	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	28.00	<100	<b>&lt;100</b>	<b>&lt;100</b>	<100		<100	579.00	250	<100	7;	001>	\$10 \$10	<10	001>	54.60	8.80	ERR	EKR	ag.a
	8.40	500.00	86.00		42.00										28.00	<100	<100	<100	<100		<100	579.00	<20	<100	₽	<100	<b>&lt;10</b>	<b>&lt;10</b>	<100	54.60	8.80			
		17/00			17/011	7/00	mg/L		7/5		EQ.7.	Ind/L	ING/L	7/bn	ng/I	ng/L	ng/L	ng/L	ng/L	ng/T	ng/T	7/5n	ng/L	ng/L		ng/L	ng/I	Ng/L	Z/gn	五石		7/5n	mg/L	
SITE 14	POT EXTR HYD	CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	OIL & GREASE	AMPONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANCANESE	MERCURY	NICKEL	SETENION	SILVER	ZINC	CALCTUM	MAGNESTUM	POTASSIUM	SODIUM	

CONTINUED
14
SITE

BERYLIUM	nd/L	<100	<100
BORON	uq/I		ERR
BORON Dissolved	ng/L		ERR
CHLORIDE	II V	,	ERR
COLOR	8'		ERR
FLUORIDE	mq/L		ERR
Residue Filterable (TDS)			ERR
Residue Non (SS)			ERR
Residue	mq/L		ERR
Residue Volatile	mg/L		ERR
Specfic Conductance	mg/L		ERR
SULFATE	mg/L		ERR
SURFACTANTS	IIQ/L	21.00	21.00
TURBIDITY	Ę		ERR
CORALT	ng/L	<100	<b>&lt;100</b>
MOLYBDENUM	ng/L	<100	<b>&lt;100</b>
TITANIOM	ng/L	<100	<b>&lt;100</b>
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		ERR
SULFIDES	ng/L		ERR
			ERR
1,2-DICHLOROETHANE	ng/L	896.00	896.00
1,3-DICHLOROBENZENE	ng/L	2989.00	2989.00
METHYLENE CHLORIDE	ng/L	4.50	4.50
1,1,1-TRICHLOROETHANE			ERR
BENZENE;		00	00 P
THE CHECKOF ELONGETHANE		00.4	***
ETHYL BENZENE		22.00	77.00
601			
BROMODI CHLOROMETHANE	mcg/L	<b>*.4</b>	<b>4.4</b>
BROMOFORM	ECG/L	<b></b> >	<b>7.</b> >
BROMOMETHANE	ECG/L	6.>	6.>
CARBON TETRACHLORIDE	ncg/L	<b>&lt;.</b> 5	<b>.</b> .5
CHLOROBENZENE	mcg/L	<b>9.</b> %	9.>

## SITE 14 CONTINUED

<b>DIBEROMOCHI OROMETHANE</b>	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-dichlorobenzene	DICHLORODI FLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPORPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 2-DICHLOROPROPEN	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHAN		1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROLUOROMETHANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ETHYLBENZENE	TOLUENE
ncg/L	Incg/L	ECG/L	Incg/L	ECG/L	ECG/L	mcg/L	Incg/L	Incg/L	mcg/L	mcg/L	mcg/L	mcg/L	ECG/L	Incg/L	ECG/L	mcg/L	mcg/L	mcg/L	mcg/L	mcq/L	mcq/L	mcg/L	ECG/L	ECG/L	Incg/L	mcg/L	mcq/L
6.>	<b>4</b>	<b>&lt;.5</b>	<b>&lt;.7</b>	6.>	<b>4.</b>	K.>	<b>&lt;.3</b>	<b>&lt;.</b> 5	<b>6.3</b>	<.5	<b>&lt;.</b> 5	<b>4.4</b>	<.5	<b>6.6</b>	<.5	<b>&lt;.</b> 5	<.5	<b>4.4</b>	6.>		<.5	<b>9.</b> ×	<b>&lt;</b> 1	<b>&lt;.</b> 5	<b>&lt;.7</b>	<b>&lt;.3</b>	<b>&lt;.3</b>
5· <b>&gt;</b>	₽	×.	\.\ 	\$. •	<b>*.</b>	```	~	`\ \	` <b>`</b>	~	•	<b>&gt;</b>	~	<b>&gt;</b>	×	~	~	<b>*.</b>	<b>;</b>		· ·	÷.	7	~	\.	~	~

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o.o.m.æ.o.	i, ^ ^ ^ ^ / 7. 0. 4. 4		^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	5 5 3 3
			N mcg/L	7658 7658 7658 7658 7658 7658 7658 7658
CHLOROETHANE 2-CHLOROETHYIVINYL ETHER CHLOROPORM CHLOROMETHANE DIBEROMOCHLOROMETHANE 1 2-DICHLOROMETHANE	1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE DICHLORODIFIJOROMETHANE 1,1-DICHLOROETHANE	1,1-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPORPANE CIS-1,3-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE	METHYLENE CHLORIDE 1,1,2,2-TETRACHLOROETHAN TETRACHLOROETHYLENE 1,1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHYLENE TRICHLOROETHYLENE TRICHLOROLUOROMETHANE VINYL CHLORIDE	BENZENE CHLOROBENZENE 1,2-DICHLOROBENZENE 1,4-DICHLOROBENZENE ETHYLBENZENE TOLUENE

STME 15			AVERAGE
POT EXTR HYD		1.30	1.30
CHEMICAL OXYGEN DEMAND	7/5	500.00	200.00
BIOCHEMICAL OXYGEN DEMAN		129.00	129.00
TOTAL ORGANIC CARBON			ERR
OIL & GREASE		3.40	3.40
AMPONIA	IZ/Da		ERR
NITRAIE			ERR
NITRITE	mg/L		ERR
TOTAL KJELDAHL NITROGEN	T/but		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	ng/L		ERR
CYANIDE	T/but		ERR
CYANIDE free	EQ.		ERR
PHENOLS (EPA 604)			ERR
PHENOLS (MTH. 420)		183.00	183.00
ARSENIC		<100	<100
BARIUM		<100	<100
CADMITUM		<100	<b>&lt;100</b>
CHROMIUM		<100	<100
CHROMIUM Hexavalent			ERR
COPPER	ng/T	<100	<100
IRON	ng/L	211.00	211.00
LEAD	ng/L	<20	<b>\\$20</b>
MANGANESE	ng/L	<100	<100
MERCURY	mg/L	1.70	1.70
NICKEL	ng/L	<100	V100
SELENIUM	7/gn	<10	<b>410</b>
SILVER	77 M	<10	<b>10</b>
ZINC	7/bn	<100	<b>&lt;100</b>
CALCTUM		54.80	54.80
MAGNESTUM	mg/L	10.70	10.70
POTASSIUM	ng/L		ERR
SODIUM	EG/L		
ICP METALS			ERR
ALUMINUM	ng/L	104.00	104.00

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AVERAGE	<pre>&lt;100 570.77</pre>	ERR 4.70 ERR ERR ERR ERR 2.40	4. >
	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ug/L ug/L ug/L 14.00 ug/L 14.00	mcg/L <.4 mcg/L <.7 mcg/L <.9 mcg/L <.5
SITE 15 CONTINUED	BERYLIUM BORON Dissolved CHLORIDE COLOR FLUORIDE Residue Filterable (TDS) URESidue Non (SS) Residue Non (SS) Residue Volatile Specfic Conductance SULFATE SURFACTANTS TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL	1,2-DICHLOROETHANE 1,3-DICHLOROBENZENE NETHYLENE CHLORIDE 1,1,1-TRICHLOROETHANE BENZENE TRICHLOROFLUOROMETHANE ETHYL BENZENE TOLLIENE	601 BROMODICHLOROMETHANE II BROMOPORM BROMOMETHANE II CARBON TETRACHLORIDE II

	CHLOROBENZENE	mcg/L	9.>	<b>9.</b>	10
	CHLOROETHANE	mcg/L	6.>	6.>	_
	2-CHLOROETHYIVINYL ETHER	mcg/L	6.>	6.>	<b>~</b>
	CHLOROFORM	mcg/L	<b>&lt;.3</b>	<b>6.3</b>	~
	CHLOROMETHANE	mcg/L	<b>8.</b>	8.8	~
	<b>DIBEROMOCHI OROMETHANE</b>	mcg/L	6.>	6.9	_
	1,2-dichlorobenzene	ECG/L	₽	マ	
	1,3-DICHLOROBENZENE	mcg/L	<b>&lt;.5</b>	<b></b> 5	
	1,4-DICHLOROBENZENE	mcg/L	<b>6.7</b>	<b>C.&gt;</b>	_
	DICHLORODI FLUOROMETHANE	ECG/L	6.>	6.>	σ.
	1,1-DICHLOROETHANE	mcg/L	<b>*.</b> *	<b>4.4</b>	₩
	1,2-DICHLOROETHANE	ECG/L	<b>&lt;.3</b>	.3	~
	1,1-DICHLOROETHENE	ECG/L	<b>&lt;.3</b>		~
	TRANS-1, 2-DICHLOROETHENE	ECG/L	<b>&lt;.</b> 5	\$.5	ın
	1,2-DICHLOROPORPANE	ECG/L	<b>&lt;.3</b>	£.3	~
	CIS-1, 3-DICHLOROPROPENE	ECG/L	· · · 5	<b>6.</b> 5	'n
1	TRANS-1, 2-DICHLOROPROPEN	ECG/L	<b>&lt;.</b> 5	.5 .5	ın
24	METHYLENE CHLORIDE	ECG/L	<b>*.4</b>	<b>*.</b>	₹#
ļ	1,1,2,2-TETRACHLOROETHAN	mcg/L	<b>&lt;.</b> 5	\$ <b>*</b>	ın
		ECG/L	9.>	<b>~.</b> 6	SO.
	1,1,1-TRICHLOROETHANE	mcg/L	<b>&lt;.5</b>		
	1,1,2-TRICHLOROETHANE	mcg/L	<b>&lt;.</b> 5	<.5	10
	TRICHLOROETHYLENE	mcg/L	<b>&lt;.</b> 5	5	10
	TRICHLOROLUOROMETHANE	ECG/L	<b>***</b>	•••	**
	VINYL CHLORIDE	mcg/L	6.>	6.>	<b>a</b>
	602	mcq/L			
	BENZENE	mcg/L	<b>&lt;.</b> 5	<.5	10
		IICG/L	9*>	<b>9.</b>	10
		ECG/L	₽	₽	
		mcg/L	<b>&lt;.</b> 5	<.5	
	BENZENE	ECG/L	·.7	<b>7.</b> >	_
	ETHYLBENZENE	ncg/L			m
	TOLUENE	mcg/L	٠.>	 •	~

POT EXTR HYD		0.60	26.90	1.00	5.10	0.90	2.90		6.23
CHEMICAL OXYGEN DEMAND	III V	390.00	275.00	170.00	300.00	375.00	350.00		310.00
BIOCHEMICAL OXYGEN DEPAND		47.00	84.00	82.50	58.00	51.00	49.00		61.92
TOTAL ORGANIC CARBON	7/5	29.00	45.00	56.00	37.00	49.00	48.00		44.00
OIL & CREASE	7/0	1.90	12.00	45.60	1.30	4.20	6.70		11.95
AMONIA		30.00	15.20	41.50	35.50	35.00	24.50		30.28
NITRATE	EQ7.	0.10	0.10	0.10	0.10	0.10	<b>&lt;.1</b>		0.10
NITRITE	mg/L	<.02	<.02	<.02	<.02	<.02	<.02		<.02
TOTAL KJELDAHL NITROGEN	Ind/L	34.40	18.40	42.00	39.20	40.00	32.80		34.47
PHOSPHORUS orthoPO4	Ind/L	3.40	3.40	4.00	4.40	3.80	3.25		3.71
PHOSPHORUS	IIQ/L	10.00	11.00	8.50	13.00	6.50	4.40		8.90
CYANIDE	IIQ/L	0.01	0.00	0.02	0.01	0.01	0.01		0.01
CYANIDE free	IIQ/L								ERR
PHENOLS (EPA 604)	7/bn	6.90	6.90						6.90
	ng/L	15.00	27.00	34.00	20.00	25.00	10.00	6.90	19.70
ARSENIC	7/bn	<100	<100	<100	<100	<100	<100		<100
BARIUM	7/bn	<100	<100	<100	143.00	<100	<100		143.00
CADMIUM	7/bn	<100	<100	<100	<100	<100	<100		<100
CHROMIUM	7/bn	<100	<100	<100	<100	<100	<100		<100
CHROMIUM HEXAVALENT	7/bn	<b>&lt;</b> 20	<50	<b>&lt;</b> 20	<b>&lt;</b> 50	<50	<b>&lt;</b> 20		<b>~</b> 20
COPPER	7/bn	<100	<100	<100	<100	<100	<100		<100
IRON	7/bn	252.00	1844.00	1643.00	506.00	3489.00	400.00		1355.67
LEAD	ng/L	65.00	31.00	<20	<20	<20	<20		48.00
MACANESE	ng/L	<100	<100	<100	<100	<100	<100		<100
MERCURY	ng/L	1.90	1.70	1.20	₽	₽	な		1.60
NICKEL	ng/L	<100	<100	<100	<100	<100	<100		<100
SELENTUM	ng/L	<100	<10	<b>&lt;10</b>	<10	<10	<10		<10
SILVER	7/bn	19.00	10.00	<10	<10	<10	<10		14.50
ZINC	ng/L	129.00	383.00	148.00	438.00	<100	<100		274.50
CALCTUM	mg/L	53.90	51.60	53.50	62.00	51.20	54.90		54.52
MAGNESTUM	mg/L	9.60	9.60	9.40	10.40	9.10	9.50		9.60
POTASSIUM	五万里								ERR
SODIUM	mg/L								ERR
ICP TOTALS									ERR
ALUMINOM	ng/L	114.00	407.00	123.00	1022.00	<100	<100		416.50

BERYLIUM	ng/L	<100	<100	<100	<100	<100	7
			000	מט כשרנ	2200	21.00	٦

SITE 16 CONTINUED

	BERYLIUM	ng/L		<100	<100	<100	<100	<100	<100
	BORON	7 Ton	2800.00	800.00	3250.00	3250.00	2100.00	1200.00	2233.33
	BORON DISSOLVED	7/bn							ERR
	CHLORIDE	<b>5</b> 5	76.00	13.00	37.00	39.00	41.00	29.00	39.17 ERR
	FLOURIDE	Ind/L							ERR
	RESIDUE FILTERABLE (TDS)	7/201	552.00	330.00	650.00	465.00	240.00	428.00	444.17
	RESIDUE NON (SS)	四元	524.00						524.00
	RESIDUE	7/201	520.00	431.00	557.00	456.00	500.00		492.80
	RESIDUE VOLATILE	EG/L	102.00	34.00	118.00	133.00	177.00	264.00	138.00
	SPECIFIC CONDUCTANCE	PMHO PMHO	982.00	590.00	941.00	1031.00	874.00	772.00	865.00
	SULFATE		73.00	67.00	90.00	40.00	44.00	73.00	64.50
	SURFACTANTS	7/50	7.60	0.10	5.60	5.70	22.00	00.9	7.83
	TURBIDITY	5							ERR
	CORALT	7/bn	<100	<100	<100	<100	<100	<100	<100
	MOLYBDENUM	ng/L	129.00	348.00	271.00	201.00	549.00	<100	299.60
	TITANIUM	ng/L	<100		<100	<100	<100	<100	<100
12	VANADIUM	ng/L	<100		<100	<100	<100	<100	<100
26	ALK TOTAL	17/02/1	279.00	219.00	304.00	373.00	309.00	272.00	292.67
	SULFIDES	Ing/L	1.00		0.40	1.00	3.00		1.28
									ERR
	CHLOROETHANE		0.90						0.00
	CHLOROFORM								ERR
	CHLOROMETHANE	7/bn	32.00						32.00
	CHLORIDBROMETHANE	ng/L							ERR
	DI-n-BUTYLPHTHALATE	ng/T	2.90	2.90					2.90
	BENZYL-BUTYLPHTHALATE	7 Jon	10.00	10.00					10.00
	NAPTHALENE		9.60						9.60
	BIS(2-ETHYLHEXYL) PHTHALAT		42.00	42.00					42.00
	TRANS-1, 2-DICHLORETHENE	ng/L	1.80						1.80
	METHYLENE CHLORIDE	nd/L	1.90	7					1.90
	TETRACOLOGICAL		>0.0	> .					0.10

SITE 16 CONTINUED

9.60 42.00 1.80 1.90 0.75 64.00 7.09 3.00

	1.00 2.20 7.70 3.20	AVERAGE	<b>*.4</b>	<b>C.</b> >	6.>	<b>*.</b> 5	9*>	8.>	6.>	<b>&lt;.</b> 3	8.*	6.>	<1	<b>&lt;.5</b>	<b>L.&gt;</b>	6.>	<b>4.4</b>	<b>&lt;.</b> 3	<b>&lt;.</b> 3	<b>^.</b> 5	<b>&lt;.</b> 3	<b>&lt;.</b> 5	<b>&lt;.</b> 5	4.4	9*>
9.60 42.00 1.80 1.90 0.80 0.70	64.00 31.00 2.10 3.00	AVE	<b>***</b>																						
· · · · ·	Ton I		INE mcg	mcg	mcg		mcg	BCG		ncg	mc <sub>g</sub>	ы						incg incg					邕		
NAPTHALENE BIS(2-ETHYLHEKYL) PHTHALAT TRANS-1,2-DICHLORETHENE METHYLENE CHLORIDE TETRACHLOROETHYLENE BENZENE	1,3-dichlorobenzene 1,4-dichlorobenzene ethyl benzene Toluene	601	BROMODI CHLOROMETHANE	BROMOFORM	BROMOMETHANE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE	2-CHLOROETHYIVINYL ETHER	CHLOROFORM	CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DI CHLORODI FLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE

SITE 16 CONTINUED			AVERAGE
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHYLENE TRICHLOROFLUOROMETHANE VINYL CHLORIDE	100 a co	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^	, , , , , 
BENZENE CHLOROBENZENE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 4-DICHLOROBENZENE ETHYLBENZENE TOLUENE		, ,	

17
SITE

2.60 1081.67 149.83 90.00 7.47	226.75 <.02 41.33 3.77 8.83 0.01 ERR 39.00	28.00 28.00 4100 4100 4100 67.00	<pre>&lt;100 &lt;100 &lt;100 &lt;100 57.60 9.88 ERR ERR ERR ERR</pre>
		29.00	10.70
1.60 2020.00 96.00 71.00 4.40	0.12 <.02 42.40 4.00 7.50 0.02	25.00 <100 <100 <100 <100 <100 <100 <100 <100 <100	(100 (100 (100 (100 (100 (100 (100
4.60 750.00 116.50 140.00 12.90	680.00 22.40 2.50 3.00 0.00	(100 (100 (100 (100 (100 (100 (100 (100	<ul> <li>&lt;100</li> <li>&lt;10</li> <li>&lt;10</li> <li>511.00</li> <li>55.20</li> <li>9.50</li> <li>482.00</li> </ul>
1.60 475.00 237.04 59.00 5.10	0.14 <.02 <.02 4.80 16.00 0.02	35.00 (100 (100 (100 (100 384.00 (100 (100	4.30 <100 <10 130.00 48.10 8.60
			Ton
FOT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL ORGANIC CARBON OIL & GREASE AMONIA	NITRATE NITRITE TOTAL KJELDAHL NITROGEN PHOSPHORUS CYANIDE CYANIDE free PHENOLS (EPA 604)	ZE W.	NICKEL SELENIUM SILVER ZINC CALCIUM MAGNESIUM FOTASSIUM SODIUM ICP TOTALS ALUMINUM

SITE 1/ CONTINUED				
BERYLIUM	ng/L	<100	<100	45
BORON DISSOLVED	a T	000.000	3330.00	7
CHLORIDE	17.5m	40.00	20.00	
COLOR	8			
FLOURIDE	T/bu			
RESTRUE PITTERABLE (MAC)	7	מט אמא	456 00	'n

BERYLIUM	nq/L	<100	<100	<100		<100
BORON	T/bn	800.00	3550.00	2500.00		2283,33
BORON DISSOLVED	ng/L					FRR
CHLORIDE	mg/L	40.00	20.00	46.00		35.33
COLOR	8					ERR
	7/ba					ERR
RESIDUE FILTERABLE (TDS)	Ing/L	585.00	456.00	325.00		455.33
RESIDUE NON (SS)	ING/L	29.00				29.00
RESIDUE	Ind/L	639.00	601.00			620.00
RESIDUE VOLATILE	Ind/L	212.00	271.00	253.00		245,33
SPECIFIC CONDUCTANCE	MAHO	932.00	573.00	963.00		822.67
SULFAITE	Ind/L	70.00	62.00	67.00		66.33
SURFACTANTS	IIIQ/I	13.00	10.00	56.00		26.33
TURBIDITY	,5					
COBALT	ng/L	<100	<100	<100		<100
MOLYBDENUM	nd/I	521.00	380.00	<100		450.50
TITANIUM	nd/I	<100	<100	<100		×100
VANADIUM	nd/L	<100	<100	<100		agii Soli
ALK TOTAL	Ind/L	323.00	240.00	333.00		298-67
SULFIDES	mg/L	1.00	0.40	09.0		0.67
						ERR
CHLOROETHANE						ERR
CHICOROFORM	ng/L	9.80				9.80
CHLOROMETHANIE		,				ERR
CHLORIDEROMETHANE		0.50				0.50
1,4-DICHLOROBENZENE	ng/I	7.30	7.30	7.30	100.00	30.48
METHYLENE CHLORIDE	ng/L	9.30				9.30
		,				ERR
BENZENE		16.00				16.00
I, 3-DICHLOROBENZENE		2.70				2.70
ETHYL BENZENE TOLINAE		1.40				1.40

SITE 17 CONTINUED

AVERAGE	<b>4.</b>	<b>7.</b> >	6.>	<.5	9.>	8,	6.>	<.3	8.>	6.>	41	<.5	<b></b> >	6.9	4.4	<b>&lt;.3</b>	<b>&lt;.3</b>	<.5	<b>&lt;.3</b>	<.5	<.5	<b>4.</b>	<b>9.</b> *	<.5	<.5	<.5	4.4	6.>
	<b>4.4</b>	<b>6.7</b>		<b>&lt;.</b> 5	<b>9</b> *>	<b>8.</b>	6.>	<b>&lt;.3</b>	<b>8.</b> %	6.>	₽				<b>4.4</b>	<b>&lt;.</b> 3	<b>ć.</b> 3	<b>&lt;.</b> 5	<b>&lt;.3</b>	<b>6.5</b>	<b>&lt;.</b> 5		9*>		<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>4.4</b>	
	BCG	BCG	ECG.	<b>BCG</b>	<b>BCG</b>	ECG.	mcg	mcg.	mcg	ECG.	acg.	<b>BC</b> g	<b>Bcg</b>	<b>BC</b> g	ECG.	acg.	acg	ECG.	ECG.	acg.	acg.	ECG.	ECG.	ECG.	ECG.	<b>ac</b> g	<b>acg</b>	ncg
601	<b>BRONODICHLOROMETHANE</b>	BROMOFORM	BROMOMETHANE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE	2-CHLOROETHYIVINYL ETHER	CHLOROFORM	CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	<b>DICHLORODIFLUOROMETHANE</b>	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE

AVERAGE	<ul> <li>&lt;.5</li> <li>&lt;.1</li> <li>&lt;.5</li> <li>&lt;.3</li> <li>&lt;.4</li> <li>&lt;.4</li> <li>&lt;.4</li> <li>&lt;.4</li> <li>&lt;.4</li> <li></li> <li>&lt;.4</li> <li>&lt;.4</li> <li>&lt;.4</li> <li>&lt;.4</li> <li></li> <li>&lt;.4</li> <li></li> <li>&lt;.4</li> <li></li> <li>&lt;.4</li> <li></li> <li>&lt;.4</li> <li></li> <li< th=""></li<></ul>
	60 a a a a a a a a a a a a a a a a a a a
SITE 17 CONTINUED	BENZENE CHLOROBENZ ENE 1, 2-DI CHLOROBENZ ENE 1, 3-DI CHLOROBENZ ENE 1, 4-DI CHLOROBENZ ENE ETHYLBENZ ENE TOLUENE

SITE 18

ERR 425.00 25.00 30.00 3.00 20.50	0.16 ERR 21.20 3.75 4.75 0.00	ERR ERR ERR ERR ERR	ERR ERR ERR ERR ERR 308.00 46.10 7.00 ERR ERR ERR ERR
425.00 25.00 30.00 20.50			(100 (20 (20 (100 (100 (10 (10 308.00 46.10 7.00
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		7 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	The state of the s
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL ORGANIC CARBON OIL & GREASE AMONIA		CYANIDE free PHENOLS (EPA 604) PHENOLS (MTH. 420) ARSENIC BARIUM CADMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM	INON ILEAD MAGANESE MERCURY NICKEL SELENIUM SILVER ZINC CALCIUM MAGNESIUM SODIUM ICP TOTALS ALUMINUM

SITE 18 CONTINUED				AVERAGE
BERYLIUM	7/bn	<100		ERR
BORON	7 Ton	3700.00		3700.00
BORON DISSOLVED	7 bn			ERR
CHLORIDE	Z Del	25.00		25.00
COLOR	8			ERR
FLOURIDE	超元			ERR
RESIDUE FILTERABLE (TDS)	五石	344.00		344.00
RESIDUE NON (SS)	邓元	38.00		38.00
RESIDUE				ERR
RESIDUE VOLATILE	III J	162.00		162.00
SPECIFIC CONDUCTANCE		684.00		684.00
SULPATE		38.00		38,00
SURFACTANTS	EQ./L	0.20		0.20
TURBIDITY	2			RRR
COBALT	T/bn	<100		i aga
MOCYBDENIM	7Zbn	263.00		263.00
TITANION	7/bn	<100		ERR
VANADIUM	7/gn	<100		ERR
ALK TOTAL	五石	266.00		266.00
SULFIDES	T/ba	09.0		09.0
				ERR
1,4-DICHLOROBENZENE	7/bn	1.60	2.30	1.60
601				
BROMODI CHLOROMETHANE		4 /		•
RACIONALIA	, c	r r · ·		<b>ተ</b>
	200	\.\ \.\		<b>&lt;.7</b>
BECHOMETERANE	<b>m</b> cg	6.>		6.>
CARBON TETRACHLORIDE	acg	<b>&lt;.</b> 5		<b>.</b> 5
CHICOROBENZIENE	mcg	<b>9.</b> >		9.>
CHICACOETHANE	<b>BC</b> g	<b>8.</b>		%·>
2-CHLOROETHYTVINYL ETHER	mcg.	6.>		6.>
CHLOROFORM	<b>ac</b> d	<b>6.3</b>		<b>&lt;.3</b>
CHLOROPETHANE	<b>B</b> Cg	8.		<b>8.</b> >

6.>	. ₩	\$ <b>\</b>	7.>	6.>	4.>	e. >	e. >	<b>4.5</b>	m*>	<.5	<.5	4.	9.	<b>5.</b>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		<b>4. &gt;</b>	6.>		·	<b>9.</b> ×	₽	<.5	<b>7.</b> >	<b>**</b>	<b>6.3</b>
6.>	₽	<b>&lt;.5</b>	<b>6.7</b>	6.9	<b>4.4</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.</b> 5	<b>&lt;.3</b>	<.5	<b>&lt;.</b> 5	<b>*.</b> *	<b>6.6</b>	<.5	<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>4.</b> 4	6.>		<b>&lt;.5</b>	<b>9.</b> >	<b>4</b> 1	<b>&lt;.</b> 5	<b>7.</b> >	<b>&lt;.3</b>	<b>&lt;.</b> 3
<b>BCG</b>	boat mcd	acg.	<b>BC</b> d	mcg	ncg.	mcg	<b>BC</b> g	acg.	ncg.	•		-	E mcg			meg	ncg.	mcg		<b>ac</b> g	mcg	ncg	<b>≣</b> cg	meg	mcg	mcg
<b>DIBROMOCHLOROMETHIANE</b>	1,2-DICHLOROBENZENE	1,3-dichlorobenzene	1,4-DICHLOROBENZENE	DICHLORODIFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRI CHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1, 3-DICHLOROBENZENE	1,4-dichlorobenzene	ETHYLBENZENE	TOLUENE

SITE 18 CONTINUED

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TOTAL ORGANIC COMPOUND	mg/L	50.00	50.00
CHEMCIAL OXYGEN DEMAND	mg/L	72.00	72.00
BIOCHEMICAL OXYGEN DEMAND	Z/Gm	0.12	0.12
AMONIA	mg/L	72.00	72.00
NITRATE		0.12	0.12
NITRITE		<.02	<.02
IKN	III T	80.00	80.00
PHOSPHORUS ORITHO PO4		5.60	5.60
PHOSPHORUS	III J	15.00	15.00
CYANIDE	mg/L	0.01	0.01
PHENOLS	7/bn	100.00	100.00
IRON	ng/L	46.70	46.70
CALCIUM	邓元	8.80	8.80
MAGNETSUM	五石	700.00	700.00
BORON	7/bn	700.00	700.00
CHLORIDE	mg/L	51.00	51.00
RESIDUE FILTERABLE TDS		423.00	423.00
RESIDUE	Ind/L	461.00	461.00
RESIDUE VOLATILE	III V	749.00	749.00
SPECIFIC CONDUCTANCE	orimin	1204.00	1204.00
ALK TOTAL	Ing/L	427.00	427.00
SULFIDES	Ind/L	0.40	0.40
SULFATE	i	84.00	84.00
ARSENIC	ng/L	<100	<100
BARTUM	ng/L	<100	<100
CADMITUM	7/bn	<100	<100
CHROMIUM	ng/L	<100	<100
CHROMIUM HEXAVALENT	ng/L	<50	<50
COPPER	ng/L	<100	<100
IRON	7/bn	315.00	315.00
LEAD	7/gn	<20	<b>&lt;20</b>
MAGANESE	ng/L	<100	<100
MERCURY	ng/T	₽	₽
NICKEL	ng/L	<100	<100

## SITE 19 CONTINUED

	SILVER ZINC ZINC CALCIUM MACNESIUM ALUMIUM BERYILLIUM COBALT MOLYBDENUM TITZANIUM VANDIUM	7 7 7 7 7 7 6 5 6 5 6 6 6 6 6 6 6 6 6 6	<10 <100 46.70 8.80 <100 <100 <100 <100 <100 <100 <100 <1	<pre>&lt;10 &lt;100 46.70 8.80 &lt;100 &lt;100 &lt;100 &lt;100 &lt;100 &lt;100 &lt;100 &lt;1</pre>
137	BROWDICHLOROMETHANE BROWDFORM BROWDFORM BROWDFTHANE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE 2-CHLOROETHANE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 4-DICHLOROBENZENE 1, 4-DICHLOROBENZENE 1, 1-DICHLOROBENZENE 1, 1-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROPROPANE CIS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
	METHYLENE CHLORIDE	<b>a</b> cd	<b>4.4</b>	4.4

9
NITIN
19 CC
SITE

1,1,2,2-TETRACHLOROETHANE mcg 1,1,1,1-TRICHLOROETHANE mcg 1,1,2-TRICHLOROETHANE mcg mcg mcg	mcg mcg	۸. م. بر بر بر د. بر	^ ^ ^ 6
TRICHLOROFILOROMETHANE VINYL CHLORIDE		*.5 *.9	 . 4 . 0
602			
BENZENE CHLOROBENZENE	mcg mcd	<.5 .6 .6	
1,2-DICHLOROBENZENE	incg.	<1	, <u>4</u>
1, 3-DICHLOROBENZENE	mcg	<b>^.</b> 5	<.5 <.5
1,4-DICHIOROBENZENE	<b>BC</b> g	<b></b> >	<b>7.</b> >
	mcg		<b>.</b> 3
TOTOTAL	<b>Bcg</b>	<b>6.3</b>	<b>6.3</b>

550.00	00.1E	00.07 ERR	ERR	ERR	ERR	ERR	143.00	ERR	ERR	20.00	ERR	20.00		<100	<100	<100	ERR	<100	475.00	<20	<100	1.20	<100	<10	<10	346.00	62.50	13.00	ERR	ERR	ERR <100	277
		00:07		T/bm	T but	mg/L	mg/L	mg/L	mg/L	ng/L 50.00		ug/L 50.00			ug/L <100			ug/L <100						ug/L <10			mg/L 62.50		mg/L	mg/L		001> 7/bn
CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND	TOTAL CREAMIC CARBON	OLL & GREADE	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS orthoPO4	PHOSPHORUS	CYANIDE	CYANIDE free		PHENOLS (EPA 604)	_	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM HEXAVALENT	COPPER	IRON	LEAD	MACANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SODIUM	ICP TOTALS	ALUMINOM

SITE 20 CONTINUED			AVERAGE
BERYLIUM BORON	7/bn	<100 <100	<100 <100
BORON DISSOLVED	ng/L		ERR
CHLORIDE	mg/L		ERR
COLOR	8		ERR
	mg/L		ERR
RESIDUE FILTERABLE (TDS)			ERR
RESIDUE NON (SS)	mg/L		ERR
RESIDUE	mg/L		ERR
RESIDUE VOLATILE	mg/L		ERR
SPECIFIC CONDUCTANCE	MHO		ERR
SULFAITE	mg/L		ERR
SURFACTANTS	IIIQ/L	104.00	104.00
TURBIDITY	2		ERR
COBALT	nd/L		ERR
MOLYBDENUM	ng/L	<100	<100
TITANIOM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mq/L		ERR
SULFIDES	mg/L		ERR
601			
BROMODICHLOROMETHANE	mcd	4.4	<b>4.4</b>
BROMOFORM	mcg.	<b>7.&gt;</b>	<b>7.</b> >
BROMOMETHANE	inco.	6.>	6.>
CARBON TETRACHLORIDE	inc d	<b>~.</b> 5	<b>?</b> *2
CHLOROBENZENE	ncg.	<b>*.6</b>	9.>
CHLOROETHANE	nc <sub>g</sub>	8.>	8.
2-CHLOROETHYIVINYL ETHER	incg.	6.>	6.>
CHLOROFORM	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>
CHLOROMETHANE	mcg	8.>	8.>
<b>DIBROMOCHLOROMETHANE</b>	mcg	6.>	6.>

1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE	ecg Becg	<1 <.5	<1 <.5
1,4-dichlorobenzene dichlorodifijoromethane 1,1-dichloroethane		r.	> >
ETHENE		 	<.3 .5 .5 .5
国		w r. r.	
METHYLENE CHLORIDE 1,1,2,2-TETRACHLOROETHANE 1,1,1-TRICHLOROETHANE		*	4. ^ ^ ^ ^ ^ ^ ^ ^ ^ 6. ^ ^ ^ 6. ^ ^ 6. ^ ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6. ^ 6.
1,1,2-TRICHLOROETHANE IRICHLOROETHYLENE IRICHLOROFLUOROMETHANE VINYL CHLORIDE	65 806 806 806 806	. , , , , 	**************************************
602 BENZENE CHLOROBENZENE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 4-DICHLOROBENZENE TOLUENE TOLUENE	620 mcd mcd mcd mcd	(1) (1) (2) (3) (4) (5) (5) (5) (6) (7) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	6.5 6.5 6.5 7.7 6.3

A	

AVERAGE	44.80 450.00 7.00	51.20	15.00 <100 <100 <100 <100	<100 1069.00 111.00 101.00 <10 <10 <10 <100 45.40 8.50	<100
	mg/L 44.80 mg/L 450.00 mg/L 7.00	BG/L 51.20 BG/L 51.20 BG/L BG/L BG/L BG/L BG/L	mg/L ug/L ug/L (100 ug/L (100 ug/L (100 ug/L (100	ug/L ug/L ug/L ug/L ug/L ug/L ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L (10 ug/L	ug/L <100
SITE 21	N DEMAND (YGEN DEMAND	TOTAL ORGANIC CARBON mg OIL & GREASE mg AMONIA NITRATE mg NITRITE mg TOTAL KJELDAHL NITROGEN mg PHOSPHORUS orthoPO4 mg CYANIDE mg	ree EPA 604) MTH. 620)	CHROMITUM HEXAVALENT UG COPPER IRON IRON IRON UGANESE MAGANESE MERCURY NICKEL SELENTUM SILVER ZINC CALCTUM MAGNESIUM ROTASSIUM SODIUM ICP TOTALS	

SITE 21 CONTINUED			AVERAGE
BERYLIUM	ug/L	<100	<100
BORON DISSOLVED	ng/L		
CHLORIDE	12 j		
COLOR	8 8		
FLOURIDE PESTRIE ETT WEBABIE (MCS)			
RESIDUE	ng/L		
RESIDUE VOLATILE	mg/L		
SPECIFIC CONDUCTANCE	CIMINO		
SULFAITE	mg/L		
SURFACTANTS	IIIQ/L	19.00	19.00
TURBIDITY	5		•
COBALT	ng/I	<100	<100
MOLYBDENUM	ng/L	<100	4100 4100
TITANIUM	7/bn	<100	<100 (100
VANADIUM	7/bn	<100	<100
ALK TOTAL	mg/L		
SULFIDES	mg/L		
601			
BROMODI CHLOROMETHANE	mcg	<b>6.4</b>	<b>4.</b>
BROMOFORM	ncg	<b>&lt;.7</b>	<b>7.</b> >
BROMOMETHANE	mcg	6.>	6° '
CARBON TETRACHLORIDE	mcg	<b>&lt;.</b> 5	<b>.</b> .5
CHLOROBENZENE	mcg	<b>9.</b> >	9. <b>°</b>
CHLOROETHANE	mcg	8.	æ. *
2-CHLOROETHYIVINYL ETHER	mcg	<b>و.</b> ۲	o. ^
CHLOROFORM	<b>≡</b> c∂	۳.\ ن	? ° `
CHLOROMETHANE	<b>m</b> cg	8.	٥. ٧

## SITE 22 CONTINUED

DIBROMOCHLOROMETHANE	mcg	6.>	6.
1,2-DICHLOROBENZENE	ncg	<1	な
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<b></b> 5
1,4-DICHLOROBENZENE	meg	<b>&lt;.7</b>	<b>7.</b> >
DICHLORODI FLUOROMETHANE	mcg	6.>	6.>
1,1-DICHLOROETHANE	mcg	<b>***</b>	<b>4.4</b>
1,2-DICHLOROETHANE	meg	<b>&lt;.</b> 3	<.3
1,1-DICHLOROETHENE	ncg	<b>&lt;.3</b>	<b>6.3</b>
TRANS-1, 2-DICHLOROETHENE	mcg	<b>&lt;.5</b>	<.5
1,2-DICHLOROPROPANE	ncg	<b>&lt;.3</b>	<b>6.3</b>
CIS-1, 3-DICHLOROPROPENE	ncg	<b>&lt;.</b> 5	<.5
TRANS-1, 3-DICHLOROPENE	mcg	<b>&lt;.</b> 5	<.5
METHYLENE CHLORIDE	mcg	<b>*.4</b>	<b>4.</b> 4
1,1,2,2-TETRACHLOROETHANE	mcg	9*>	<b>9.</b> ×
1,1,1-TRICHLOROETHANE	mcg	<b>&lt;.5</b>	<.5
1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.</b> 5	<.5 .5
TRICHLOROETHYLENE	ncg	<b>&lt;.</b> 5	<.5
TRI CHLOROFI, UOROMETHANE	mcg	<b>&lt;.4</b>	<b>4.4</b>
VINYL CHLORIDE	ncg	6.>	<b>6.</b> ×
602			
BENZENE	mcd	<.5	<.5
CHLOROBENZENE	mcg	<b>6.6</b>	9.
1,2-DICHLOROBENZENE	mcg	4	₽
1,3-DICHLOROBENZENE	mcg.	<b>&lt;.5</b>	<.5 .5
1,4-dichlorobenzene	mcg	<b>&lt;.7</b>	<b>7.</b> >
ETHYLBENZ ENE	mcg	<b>&lt;.</b> 3	<b>6.3</b>
TOLUENE	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>

POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL ORGANIC CARBON OIL, & GREASE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	27.40 40.00 1.10 27.40	27.40 40.00 1.10 27.40
	7,00	28.60	28.60
NITRITE IOTAL KJELDAHL NITROGEN	mg/L		
	175		
	ng/L		
	7,50		
EPA 604)	ng/L		
<u> </u>	ng/L	<10	<10
	ng/L	<100	<100
	ng/L	105.00	105.00
	√bn	<100	<100
	ng/L	<100	<100
HEXAVALENT	ng/L		
	ng/L	<100	<100
	ng/L	114.00	114.00
	ng/L	<20	<20
•	ng/L	<100	<100
	ng/L	<b>&lt;</b> 1	4
	ng/L	<100	<100
	ng/L	<10	<10
	ng/L	<10	<10
	ng/L	<100	<100
		61.70	61.70
	IIG/L	0.00	9.00
~	mg/L	61.70	61.70
-	ng/L	6.00	9.00
•	ţ	001	,100
	<u> </u>	001>	0015

SITE 22 CONTINUED			AVERAGE
BERYLIUM BORON BORON DISSOLUTED	T bn	<100	<100
CHLORIDE COLOR	3		
FLOURIDE RESTORE FITTERABLE (TOS)	Ing/L		
NON (SS)	1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
RESIDUE VOLATILE			
SPECIFIC CONDUCTANCE	MMHO		
SULFATE STRFACTANTS	Ing/L	0 0	000
TURBIDITY	) 1	•	07:0
COBALT	T/bn	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	7 Jon	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		
SOLF IDES TETRACHLOROETHYLENE	1/6 <b>a</b>	0.50	0.50
601			
BROMODI CHILOROMETHANE	mcg	<b>&lt;.4</b>	<b>***</b>
BROMOFORM	mcg	<b></b> >	<u> </u>
BROMETHANE	mcg	6.×	6.>
CARBON TETRACHLORIDE	mcg	<.5	<b>*.</b> 5
HIOROBENZENE	mcg	9.	9.
CHLOROETHANE	incg incg	∞•°	φ. ·
c-Chloroethilvinil ether	E C C	6.4	6.>

۵
CONTINE
E 22 (
SITE

	CHLOROFORM	<b>Bcg</b>	<b>&lt;.3</b>	<b>6,3</b>
	CHLOROMETRIANE	acg.	<b>8.</b> %	8.
	DIBROMOCHLOROMETHANE	acd in	6.>	6.
	1,2-dichlorobenzene	acq.	<b>41</b>	₹
	1,3-dichlorobenzene	ncg.	<b>&lt;.</b> 5	. <b>.</b> . 5
	1,4-dichiorobenzene	acg.	<b>7.</b> >	<b>7.</b> >
	DICHLORODI FLUOROMETHANE	acg	6.>	6.>
	1,1-dichloroethane	ncg.	4.4	4.4
	1, 2-DICHLOROETHANE	ncg	<b>&lt;.3</b>	<b>6.3</b>
	1,1-DICHLOROETHENE	BCG	« <b>,</b> »	<b>6.3</b>
	TRANS-1, 2-DICHLOROETHENE	mcg	<b>&lt;.</b> 5	<b>&lt;.5</b>
	1,2-DICHLOROPROPANE	mcg	<b>.</b> 3	e.>
	CIS-1, 3-DICHLOROPROPENE	acg	<b>&lt;.</b> 5	<.5 <.5
	TRANS-1, 3-DICHLOROPROPENE	mcg.	<b>&lt;.</b> 5	5.5
	METHYLENE CHLORIDE	mcg.	4.4	<b>4.4</b>
	1,1,2,2-TETRACHLOROETHANE	meg	<b>9.</b> *	<b>6.</b> %
	1,1,1-TRICHLOROETHANE	mcg	<.5	<.5
-	1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.</b> 5	<.5
	TRICHLOROETHYLENE	meg	<b>&lt;.</b> 5	<.5
_	TRI CHLOROFLUOROMETHANE	meg	<b>4.4</b>	<b>*.</b> *
	VINYL CHLORIDE	mcg	6.9	6.>
	602			
	BENZENE CHI OTOS ENIZENE	E C	s.\	\$.5 .5
	COLCAROBEANE 1 2 DE COMPANION DE LA COMPANION	ECG.	٥٠,	9.>
	1,2-DICHLOROBENZENE	g d	7	Δ,
	1, 3-bicaronocayacaya	بر الم	ָּיִי יִּי	 
	ETHYLBENZENE		·; •;3	\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	TOLUENE	mcg	<b>&lt;.3</b>	<b>*</b> 3

5.70 6000.00 1585.00	10.80	105.00 <100 <100 <100 <100	<100 2199.00 129.00 100.00 <1 <100 <100 <100	48.20 48.20 8.80 280.00
60	10.80 10.80	4444 105.00 (100 (100 (100	VN V	ム (10
ND EMAND			T T T T T T T T T T T T T T T T T T T	Transfer to the control of the contr
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL ORGANIC CARBON	<b>6</b> 5 6 6	PHENOLS (EPA 604) PHENOLS (MTH. 620) ARSENIC BARIUM CADMIUM CHROWIUM CHROWIUM	COPPER IRON LEAD MACANESE MERCURY NICKEL SELENIUM	SILVER ZINC CALCIUM MAGNESIUM POTASSIUM SODIUM ICP TOTALS ALUMINUM

AVERAGE	<100												1900.00		<100	<100	194.00	<100			3.00		4.	<b>7.</b> >	6.>	5.	9.>	8.>
	<100												1900.00		<100	<100	194.00	<100			3.00		<b>4.</b> 4	<b>7.</b> >	6,5	<b>~</b> 52	9.>	<b>8.</b> %
	7/bn	ng/L	י קטי		5			mg/L	T/bu	ng/L	CHIME	ING/L	IIIQ/L	13.	767	ng/L	ng/L	ng/T	ENG/L		ng/L		mcd	acd.	nco e	EC C	BCd	mcg.
SITE 23 CONTINUED	BERYLIUM	BORON PORON DISSOLUTED	BORON DISSOLVED	CHLORIDE	COLOR	FLOURIDE	RESIDUE FILTERABLE (TDS)	RESIDUE NON (SS)	RESIDUE	RESIDUE VOLATILE	SPECIFIC CONDUCTANCE	SULFATE	SURFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANIUM	VANDIUM	ALK TOTAL	SULFIDES	TRANS-1, 2-DICHLOROETHANE	601	BROMODICHLOROMETHANE	BROMOFORM	BROMOMETHANE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE

CHLOROFORM	<b>B</b> cg	<b>&lt;.3</b>	<b>6.3</b>
CHLOROPETHANE	meg	8.	% ••
DIBROMOCHLOROMETHANE	<b>m</b> cg	6.9	<b>6.</b> %
1,2-DICHLOROBENZENE	meg	₽	₽
1,3-DICHLOROBENZENE	<b>BC</b> d	<b>&lt;.</b> 5	<b>.</b> .5
1,4-DICHLOROBENZENE	<b>m</b> cg	<b>&gt;</b>	<b>4.7</b>
DICHLORODI FLUOROMETHANE	<b>B</b> Cg	6.5	6.9
1,1-DICHLOROETHANE	BCG	<b>***</b>	<b>4.</b> 4
1,2-DICHLOROETHANE	neg	<b>&lt;.3</b>	<b>&lt;.</b> 3
1,1-DICHLOROETHENE	<b>B</b> Cg	<b>&lt;.</b> 3	×.3
TRANS-1, 2-DICHLOROETHENE	mcg	<b>&lt;.</b> 5	<b>.</b> 5
1,2-DICHLOROPROPANE	<b>m</b> cg	<b>&lt;.3</b>	<b>~</b> .3
CIS-1, 3-DICHLOROPROPENE	meg	<b>&lt;.</b> 5	<b>.</b> 5
TRANS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.</b> 5	<b>.</b> 5
METHYLENE CHLORIDE	meg	<b>***</b>	<b>4.4</b>
1,1,2,2-TETRACHLOROETHANE		9*>	<b>9. \</b>
1,1,1-TRICHLOROETHANE		<b>&lt;.5</b>	<b>.</b> .5
1,1,2-TRICHLOROETHANE		<b>&lt;.</b> 5	<b>&lt;.</b> 5
TRICHLOROETHYLENE	<b>m</b> cg	<b>&lt;.</b> 5	<b>~.</b> 5
TRI CHLOROFLUOROMETHANE	mcg	<b>***</b>	<b>4.4</b>
VINYL CHLORIDE	acg.	6.>	<b>6.</b> >
602			
BONZIONE	<b>BC</b> d	<b>~.</b> 5	<b>&lt;.</b> 5
CHLOROBENZENE	mcg	<b>9.</b> >	<b>9. °</b>
1,2-DICHLOROBENZENE	mcg	41	7
1,3-DICHLOROBENZENE	meg	<b>&lt;.</b> 5	<b>*.</b> 5
1,4-DICHLOROBENZENE	mcg	<b></b> >	<b>7.</b> >
ETHYLBENZENE	meg	<b>&lt;.3</b>	<b>~.</b> 3
TOLUENE	mcg	<b>&lt;.3</b>	<b>&lt;.</b> 3

SITE 23 CONTINUED

SITE 24			AVERAGE
POT EXTR HYD CHEMICAL OXYGEN DEMAND		256.00	256.00
BIOCHEMICAL OXYGEN DEMAND		6150.00	6150.00
OIL & GREASE		1176.00	1176.00
AMONIA	7/5m		
NITRATE			
TOTAL KJELDAHL NITROGEN			
PHOSPHORUS orthoPO4	mg/L		
PHOSPHORUS	mg/L		
free	邓九		
(EPA (	ng/L		
PHENOLS (MTH. 620)	ng/L	820.00	820.00
ARSENIC	Z/gn	<100	<100
BARIUM	ng/L	<100	<100
CADMIUM	ng/L	<100	<100
CHROMIUM	7/bn	<100	<100
CHROMIUM HEXAVALENT	ng/L		
COPPER	ug/L	<100	<100
IRON	ng/L	1826.00	1826.00
LEAD	ug/L	180.00	180.00
MAGANESE	ng/L	<100	<100
MERCURY	ng/L	₽	₽
NICKEL	ng/L	<100	<100
SELEVIUM	ng/L	20.00	20.00
SILVER	ng/L	32.00	32.00
ZINC	ng/T	951.00	951.00
CALCTUM		32.30	32.30
MAGNESIUM	IIIQ/L	36.30	36.30
POTASSIUM	mg/L		
SODIUM	mg/L		
ICF TOTALS	7 2:	1987 00	1007 00
ALCONTINON	ı Marian Marian	1987.00	170/.00

SITE 24 CONTINUED			AVERAGE
BERYLIUM	7/bn	<100	<100
BORON	ng/L		
BORON DISSOLVED	T/bn		
CHLORIDE	1/50		
COLOR	8		
FLOURIDE			
RESIDUE FILTERABLE (TDS)	T/bu		
RESIDUE NON (SS)	T/bu		
RESIDUE	mg/L		
RESIDUE VOLATILE			
SPECIFIC CONDUCTANCE	SEE CHARLES		
SULFATE	T/DII		
SURFACTANTS		1750.00	1750 00
TURBIDITY	,5		20:00
COBALT	7/bn	<100	<100
MOLYBDENUM	ng/L	<100	\$100 \$100
TITANIOM	ng/L	167.00	167.00
VANIADIUM	nd/T	<100	7100
 ALK TOTAL	1/01		001
SULFIDES	1/6		
BENZENE	3	0.80	0
1,1,1-TRICHOLORETHANE		5.50	5.50
BDOMOT CHI OBOMENTANE	,	•	
PROCESSION OF THE PROPERTY OF	ECG.	<b>4.</b> ^	4.4
BROTOFORM	<b>B</b> Cg	<b>&lt;.7</b>	<b>7. &gt;</b>
BROMOMETHANE	ncg.	6.>	6.>
CARBON TETRACHLORIDE	<b>B</b> Cd	<b>&lt;.</b> 5	, (r)
CHLOROBENZENE	ncd.	<b>9. ?</b>	9
CHLOROETHANE	acg.	<b>8.</b> %	 

AVERAGE <.9	 	œ. <b>&gt;</b>	6.>	7	<b>5.</b> >	<b>7.</b> >	6.>	4.>	<b>**</b> 3	<b>**</b>	<b>5.</b> >	<b>**</b> 3	<.5	<.5	<b>*.</b>	9.>	<.5	<b>5.</b> >	<b>&lt;.</b> 5	<b>7.</b>	6*>		\$ \$.5	9.>	· \	1,	\$ .	<b>7.</b> >	~.·	e.>
٠ ٠	<b>6.3</b>	æ.^	6.>	7	<.5	<b>&lt;.7</b>	6.>	<b>6.4</b>	<b>6.3</b>	<b>&lt;.</b> 3	<.5	<b>**</b> 3	<b>&lt;.</b> 5	<.5	<b>***</b>	<b>9.</b> >	<.5	<.5	<.5	<b>*.4</b>	6.>		<b>4.5</b>	9,>	;	ب ک	٠. ا	<b>7.</b> >	m (	<b>*.</b> 3
mcg	52	ECG.	<b>BC</b> g	<b>ac</b> d	<b>BCG</b>	<b>BCG</b>	BCG	Bcg	acg	mcg	acg.	<b>Bcg</b>	ac d	BCG	BCG	mcg.	ncg.	BCG	acg.	<b>BCG</b>	mcg		DCG BCG			2	<b>BCG</b>	acg.	ECG E	<b>B</b> CG
SITE 24 CONTINUED 2-CHLOROETHYIVINYL ETHER	CHICAROPORM	CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	<b>DICHLORODI FLUOROMETHANE</b>	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	BENZENE	CHI OROBENZIENE	1 2 DICH COORDENS ENTE	1,2-DICHLOROBENGENE	1, 3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ETHYLBENZENE	TOLUENE

AVERAGE	42.00				72.80											<100								134.00		7				59.20	10.40			
	Ing/L			IIId/I	mq/L	mq/L		II T	II V	mg/L	1/01		mg/L	ng/L	ng/L	ng/L	ng/I	na	ng/T	nd/L	T/bn	T/bn	ng/L	ng/L	ng/L	nd/L	ng/L	ng/L	7/bn	T/bu	mg/L	mq.7	mg/L	1
SITE 25	POT EXTR HYD	CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAND	TOTAL ORGANIC CARBON	OIL & GREASE	AMONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS orthoPO4	PHOSPHORUS	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 620)	•	BARIUM	CADMIUM	CHROMIUM	CHROMIUM HEXAVALENT	COPPER	IRON	LEAD	MAGANIESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCTUM	MACNESIUM	FOTASSIUM	SODIUM ICP TOTALS	ALIBETARIE

	1	;	AVERAGE
BERYLIUM BORON BORON DISSOLVED	L Su L Su L Su L Su L Su L Su L Su L Su	<100	<100
CHLORIDE	A B		
3	mg/L		
RESIDUE FILTERABLE (TDS) RESIDUE NON (SS)			
RESIDUE	III T		
RESIDUE VOLATILE	mg/L		
SPECIFIC CONDUCTANCE	MMHO		
SULFATE	邓元		
SURFACTANTS	mg/L	14.00	14.00
IURBIDITY	2		
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
IITANIUM	ng/L	349.00	349.00
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		
SULFIDES	mg/L		
1,1,1-TRICHOLORETHANE		5.90	5.90
1, 2-DICHLOROETHANE		5.30	5.30
CHLOROBENZENE		44.00	49.00
601			
BROMODI CHLOROMETHANE	mcg	<b>4.4</b>	<b>4.4</b>
BROMOFORM	mcg	<b>&lt;.7</b>	<b>&lt;.7</b>
BROMOMETHANE	<b>≣</b> c∂	6.	6.>
CARBON TETRACHLORIDE	acg.		
CHLOROBENZENE	acg acg	٥٠,	• • • • • • • • • • • • • • • • • • •
	בר בר	0.,	×.×

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6.>	<b>6.3</b>	8.*	6.>	4	<b>&lt;.5</b>	<b>6.7</b>	6.>	<b>4.4</b>	<b>6.3</b>	<b>6.3</b>	<b>&lt;.5</b>	<b>6.3</b>	<b>&lt;.5</b>	<b>&lt;.5</b>	<b>4.4</b>	9.>	<b>&lt;.5</b>	<b>&lt;.</b> 5	<b>*.5</b>	<b>4.4</b>	6.>		<b>.</b>	) (	9.>	₽	<b>*.</b> 5	<b>6.7</b>	<b>6.3</b>	<b>6.3</b>
6.>	<b>&lt;.3</b>	<b>8.</b> %	6.>	₽	<b>&lt;.</b> 5	<b>7.</b> >	6.>	<b>4.</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.</b> 5	<b>&lt;.</b> 3	<b>^.</b> 5	<b>&lt;.</b> 5	<b>4.4</b>	<b>9. &gt;</b>	<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>4.4</b>	6.>		\ \	; ,	٥.	₽	<b>^.</b> 5	<b>7.</b> >	<b>6.3</b>	<b>&lt;.3</b>
meg	BCg	ncg	<b>BC</b> d	<b>BC</b> g	<b>B</b> Cg	<b>BC</b> g	<b>BC</b> g	mcg.	<b>B</b> Cg	mcg	mcg	ncg	<b>BCG</b>			•		<b>Bcg</b>	ncg	mcg.	mcg				ECG.	<b>B</b> Cg	ncg	mcg	ac d	mcg
2-CHLOROETHYIVINYL ETHER	CHLOROFORM	CHLOROMETHANE	<b>DIBROMOCHI, OROMETHANE</b>	1,2-dichlorobenzene	1,3-DICHLOROBENZENE	1,4-dichlorobenzene	DICHLORODI FLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE	,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRI CHI OROETHYL ENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	BENZ ENE		CHLURODENGENE	1,2-dichlorobenzene	1,3-dichlorobenzene	1,4-dichlorobenzene	ETHYLBENZENE	TOLUENE

SITE 25 CONTINUED

AVERAGE	66.00 1400.00 298.00	75.20	510.00 <100 308.00 481.00 <100	<100 14720.00 330.00 1161.00 5.30 <100 <10 7202.00 512.80 57.70	3458.00
	mg/L 66.00 mg/L 1400.00 mg/L 298.00	897. 897. 897. 897. 897. 897.	7.7. \$10.00 7.7. \$100 7.7. \$38.00 7.7. \$81.00	ug/L <100 ug/L <100 ug/L 14720.00 ug/L 130.00 ug/L 5.30 ug/L <100 ug/L <100 ug/L <100 ug/L <100 ug/L <100 ug/L 27.70 mg/L 27.70	ug/L 3458.00
SITE 26	CHEMICAL OXYGEN DEMAND ING BIOCHEMICAL OXYGEN DEMAND ING TOTAL OPERANT CARBON	CEN	MTH. 620)	HEXAVALENT  M  M  LS	ALUMINUM ug

SITE 26 CONTINUED			AVERRAGE
BERYLIUM	ng/L	<100	<100
BORON	ng/L		
BORON DISSOLVED	ng/L		
CHLORIDE	7		
COLOR	8		
FLOURIDE	Ing/L		
RESIDUE FILTERABLE (TDS)	mg/L		
RESIDUE NON (SS)			
RESIDUE	Ing/L		
RESIDUE VOLATILE	II DIE		
SPECIFIC CONDUCTANCE	OHE		
SULFATE	mg/L		
SURFACTANTS	mg/L	210.00	210.00
TURBIDITY	5		
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		
SULTIDES	mg/L		
TEANS-1-2-DICHLOROETHENE	na A.	6.70	6.70
METHYLENE CHLORIDE	ng/L	501.00	501.00
TOO		* '	• •
BROMOBOUTHLONOMETHANE	501	#· /	* ^
DECAMPAGE CAMP	בי בי בי	· · ·	• •
CARBON TETRACHLORIDE	S D	າ ເກ <b>ໍ</b>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
CHLOROBENZENE	) DE	9.>	<b>9.</b> >
CHLOROETHANE	mcg	8.>	8.>

6.>	<.3	<b>8.</b>	6.>	₽	<.5 <.5	<b>7.</b> >	6.>	<b>4.4</b>	<b>*.</b> 3	<b>&lt;.3</b>	<b>*.</b> 5	<.3	<b>&lt;.5</b>	<.5 *.5	<b>4.4</b>	<b>9.</b> ×	<.5	<b>&lt;.</b> 5	<.5	<b>4.4</b>	6.>		<.5	9*>	7	\$°2	<b>7.</b> >	m m * *
6.>	<b>&lt;.3</b>	8.8	6.>	₽	<b>.</b> .5	<b>7.</b> >	6.>	<b>4.4</b>	<b>&lt;.3</b>	<b>6.3</b>	<b>.</b> .5	<b>6.3</b>	<b>&lt;.</b> 5	<b>&lt;.</b> 5	4.4	<b>9.</b> %	<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>&lt;.</b> 5	4.4	6.>		<b>&lt;.</b> 5	9*>	4	<b>&lt;.5</b>	<b>4.7</b>	 
R mcg	mcg	mcg.	mcg	mcg	mcg	mcg		mcg	mcg	mcg		mcg				NE mcg	mcg	mcg	mcg	mcg	mcg		IIC d	IIC d	ECQ.	mcg	ncg	mcg mcg
2-CHLOROETHYIVINYL ETHER	CHLOROFORM	CHLOROMETHANE	<b>DIBROMOCHLOROMETHANE</b>	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DICHLORODIFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLJROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ETHY LBENZENE TOLUENE
																	_											

75.60 1000.00 381.00	86.40						50.00	<100	<100	<100	<100		<100	233.00	201.00	<100	₽	<100	<10	<10	286.00	38.90	6.80				60 110
75.60 1000.00 381.00	86.40						50.00	<100	<100	<100	<100		<100	233.00	201.00	<100	₽	<100	<10	<10	286.00	38.90	6.80				00 1.7
	mg/L	西部方を	mg/L	D D D		ug/L	ng/L	ng/L	T/gn	ng/L	ng/L	ng/L	ng/I	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	mg/L	mg/L	IIIQ/L	mg/L	ì	
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND	TOTAL ORGANIC CARBON OIL & GREASE AMONIA	NITRATE	TOTAL KJELDAHL NITROGEN PHOSPHORUS orthoPO4	PHOSPHORUS	CYANIDE free	_	PHENOLS (MTH. 620)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM HEXAVALENT	COPPER	IRON	LEAD	MAGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SODIUM	ICP TOTALS	N T FINETEN THE

SITE 27 CONTINUED			AVERAGE
BERYLIUM	ng/L	<100	<100
BORON	ng/L		
BORON DISSOLVED	7/bn		
CHLORIDE	Ing/L		
COLOR	8		
FLOURIDE	mg/L		
RESIDUE FILTERABLE (TDS)	III J		
RESIDUE NON (SS)	mq/L		
RESIDUE	mq/L		
RESIDUE VOLATILE	mq/L		
SPECIFIC CONDUCTANCE	OHE		
SULFATE	mq/L		
SURFACTANTS	ng/L	110.00	110.00
TURBIDITY	,5		
COBALT	7/bn	<100	<100
MOLYBDENUM	T/bn	<100	<100
TITANIUM	7/bn	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		
SULFIDES	mg/L		
CHLOROFORM	nd/L	4.30	4.30
TRANS-1, 3-DICHLOROETHANE	ng/I	5.60	5.60
METHYLENE CHLORIDE	ng/L	34.00	34.00
BENZENE		234.00	234.00
1,3-DICHLOROBENZENE	7/bn	627.00	627.00
ETHYL BENZENE	ng/L	607.00	607.00
TOLUENE	ng/L	367.00	367.00

<b>.</b> .5	9.>	7	<.5	<b>7.</b> >	e*>	e.>
<b></b> 5	<b>9.</b>	4	<.5	<b>6.7</b>	<b>6.3</b>	<b>&lt;.</b> 3
meg	mcg	mcg	med	mcg	acg.	mcg
602 Benzene	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ETHYLBENZENE	TOLUENE

		49.00	200.00 49.00 2.60
		20.00 <100 <100 <100 <100	20.00 <100 <100 <100 <100
HEXAVALENT UC CO	77777777777777777777777777777777777777	<pre>&lt;100 230.00 &lt;20 &lt;100 &lt;10 &lt;10 &lt;10 42.90 5.90</pre>	(100 (230.00 (20 (100 (100 (100 (100 (100 5.90

AVERAGE	ug/L <100 <100 ug/L ug/L cu mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/	mg/L 29.00 29.00	ug/L <100 (100 (100 ug/L <100 (100 (100 ug/L <100 (100 (100 ug/L <100 (100 (100 ug/L ))))	ug/L 9.40 9.40	mcg <.4 <.4 <.4 incg <.7 <.7 incg <.9 incg <.5 incg <.5 <.5 <.5 <.5 <.5 <.5 <.5 <.5 <.5 <.5
SITE 28 CONTINUED	BERYLIUM BORON BORON BORON BORON CHLORIDE COLOR FLOURIDE RESIDUE FILTERABLE (TDS) RESIDUE VOLATILE RESIDUE CONDUCTANCE	SULFATE SURFACTANTS	TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES	CHLOROFORM	601 BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE CARBON TETRACHLORIDE

## SITE 28 CONTINUED

6.>	<b>&lt;.3</b>	8.	6.>	<b>41</b>	<b>&lt;.</b> 5	<b>&lt;.</b> 7	6.>	<b>***</b>	<b>6.3</b>	<b>&lt;.3</b>	<b>&lt;.</b> 5	<b>&lt;.3</b>	<b>&lt;.</b> 5	<.5	<b>*.</b> *	9.>	<b>&lt;.5</b>	<b>~.</b> 5	<.5	4.4	6*>		<b>5</b>	9">	,		C* <b>&gt;</b>	<b>7. &gt;</b>	 	<b>6.3</b>
<b>6.</b> >	<b>ć.</b> 3	8.×	6.>	₽	<b>.</b> .5	<b>7.</b> >	6.>	<b>*.4</b>	<b>&lt;.3</b>	<b>6.3</b>	<b>.</b> .5	<b>6.3</b>	<b>.</b> .5	<b>&lt;.</b> 5	<b>4.4</b>	9.>	<b>4.5</b>	<b>&lt;.</b> 5	<b>&lt;.</b> 5	<b>4.4</b>	6.>		<b>&lt;.5</b>	9.>	7	, ,	ָרָ וּיִנְיּ בּילִייִי	<b>/.</b>		·.,
<b>BCG</b>	<b>BCG</b>	<b>BCG</b>	<b>Bcg</b>	meg	meg	meg	mcg	<b>BC</b> g	mcg	mcg	mcg	mcg	mcg	<b>BC</b> g	<b>BC</b> g	mcg	meg	<b>B</b> Cg	<b>BC</b> g	mcg	mcg		BCd	) DO		בי קרות קרות	<b>₹</b>	<b>m</b> cg	acg a	<b>B</b> cg
2-CHLOROETHYTVINYL ETHER	CHLOROFORM	CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DICHLORODIFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPENE	METHYLENE CHLORIDE	1, 1, 2, 2-TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1 2-DICHLOROBENZENE	1 2_01@10@08@17@16		1,4-DICHLOROBENZENE	EIHILBENZENE	avandor.

1400.00 298.00

1400.00 298.00		
		Ton
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TOTAL ORGANIC CARBON OIL & GREASE AMONIA	NITRATE NITRITE TOTAL KJELDAHL NITROGEN PHOSPHORUS OrthoPO4 PHOSPHORUS CYANIDE CYANIDE free PHENOLS ARSENIC BARIUM CADMIUM CHROMIUM CHROMIUM CHROMIUM	

SITE 29 CONTINUED

BERYLIUM

																				<b>4.4</b>	<b>6.7</b>	6.>	·.5	<b>9.</b> ×	8.>	6.>
Ng/L	ng/L	mq/L	8	mq/L	mq/L	mq/L	mq 7	IIQ/L	OHED	mq/L	mq/L	,5	nd/L	T/bn	ng/L	ng/L	IIQ.	mg/L		<b>BC</b> d	mc <sub>g</sub>	mcg	mcg	BCG	mcq.	acg.
BORON	BORON DISSOLVED	CHLORIDE	COLOR	FLOURIDE	RESIDUE FILTERABLE (TDS)	RESIDUE NON (SS)	RESIDUE	RESIDUE VOLATILE	SPECIFIC CONDUCTANCE	SULFATE	SURFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANIUM	VANADIUM	ALK TOTAL	SULFIDES	601	<b>BROMODI CHLOROMETHANE</b>	BROMOFORM	BROMOMETHANE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE	2-CHLOROETHYIVINYL ETHER

SITE 29 CONTINUED			AVERAGE
CHLOROFORM	mcg.	<b>&lt;.3</b>	<b>6.3</b>
CHLOROMETHANE	mcg	<b>6.8</b>	<b>8.</b> %
DIBROMOCHLOROMETHANE	mcg	6.>	<b>6.</b> >
1,2-DICHLOROBENZENE	mcg.	4	₽
1,3-DICHLOROBENZENE	ncg	<b>&lt;.5</b>	<b>&lt;.</b> 5
1,4-DICHLOROBENZENE	meg	<b>&lt;.7</b>	<b>6.7</b>
DICHLORODI FLUOROMETHANE	ncg	6.>	<b>6.</b> >
1,1-DICHLOROETHANE	mcg	<b>7.</b> 4	<b>4.</b>
1,2-DICHLOROETHANE	mcg	<b>&lt;.3</b>	<b>6.3</b>
1,1-DICHLOROETHENE	neg	<b>&lt;.3</b>	<b>*.</b> 3
TRANS-1, 2-DICHLOROETHENE	meg	<b>&lt;.</b> 5	<b>.</b> .5
1,2-DICHLOROPROPANE	meg	<b>&lt;.3</b>	<b>*.</b> 3
CIS-1, 3-DICHLOROPROPENE	necg	<b>&lt;.5</b>	<b>*.</b> 5
TRANS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.5</b>	<b>*.</b> 5
METHYLENE CHLORIDE	<b>m</b> cg	<b>*.4</b>	<b>*.</b> *
1,1,2,2-TETRACHLOROETHANE	neg	9.>	<b>9.</b> >
1,1,1-TRICHLOROETHANE	neg	<b>&lt;.5</b>	<b>.</b> .5
1,1,2-TRICHLOROETHANE	meg	<b>&lt;.5</b>	<b>.</b> .5
TRICHLOROETHYLENE	mcg	<b>&lt;.5</b>	<b>&lt;.</b> 5
TRICHLOROFLUOROMETHANE	meg	<b>^.4</b>	<b>4.4</b>
VINYL CHLORIDE	mcg	6.>	6.>
602			
BENZENE	ncq.	<.5	<b>**</b> 2
CHLOROBENZENE	meg	<b>9.</b> >	<b>9.</b> °
1,2-DICHLOROBENZENE	meg	<1	₽
1,3-DICHLOROBENZENE	mcg	<.5	<b>&lt;.</b> 5
1,4-DICHLOROBENZENE	meg	<b>&lt;.7</b>	<b>7.</b> >
ETHYLBENZENE	ncg	<b>&lt;.3</b>	<b>*.3</b>
TOLUENE	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>

<.3 250.00 19.00	<b>6.3</b>			<10	(100 (100	<100	<100	558.00 <20	<100	<100 <100	<10	<10 <100	49.50	07:7	<100
mg/L <.3 mg/L 250.00 mg/L 19.00	1975 (3.3 1.3 1.4 1.7 1.3 1.4 1.7 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4		1, pa 1, pa 1, pa 1, pa		ug/L <100			ug/L 558.00 ug/L <20						1,20 17,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 19,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 10,00 1	ug/L <100
SITE 30 POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAND TITTLE CARE OF THE C		JELDAHL NITROGEN RUS orthoPO4	CYANIDE CYANIDE CYANIDE FOR THE CYANIDE CYANIDE COMPANY (FPA 604)	(MTH. 420)		<b>S</b> .	ITUM HEXAVALLENT SR	IRON	MAGANESE		5	SILVER L	M).		ICP TOTALS ALUMINUM

SITE 30 CONTINUED			AVERAGE
BERYLIUM	ng/L	<100	<100
BORON	ng/L		
BORON DISSOLVED	ng/L		
CHLORIDE	mg/L		
COLOR	8		
FLOURIDE	mg/L		
RESIDUE FILTERABLE (TDS)			
RESIDUE NON (SS)	III V		
RESIDUE	mg/L		
RESIDUE VOLATILE	mg/L		
SPECIFIC CONDUCTANCE	MAHO		
SULFAITE	mg/L		
SURFACTANTS	T/bu	<.1	<.1
TURBIDITY	12		
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/L	<100	<100
VANADIUM	T/bn	<100	<100
ALK TOTAL	IIId/I		
SULFIDES	mg/L		
METHYLENE CHLORIDE	ng/L	4.30	4.30
TRICHLOROFLUOROMETHANE		4.70	4.70
601			
BROWODI CHLOROMETHANE PROMOEORM	mcg	4.7	4.4
BROWOMETHANE		··>	6.9
CARBON TETRACHLORIDE	mcg.	\$* <b>&gt;</b>	<b>?</b> *2

CHI ORORENZI ENE		<b>Y</b> ,	'
CIT OBOETENNE	5 C	) o	•
	S S	0.7	×.0
2-CHLOROETHYIVINYL ETHER	ncg.	6.>	<b>6. &gt;</b>
CHLOROFORM	mcg	<b>&lt;.</b> 3	<.3
CHLOROMETHANE	mcg	8.>	8.
<b>DIBROMOCHLOROMETHANE</b>	mcg	6.5	6.>
1,2-DICHLOROBENZENE	mcg	<1	7
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<.5
1,4-DICHLOROBENZENE	mcg	<i>c.</i> >	<b>&lt;.7</b>
DI CHLORODI FLUOROMETHANE	ncg.	6.>	<b>6.</b> ×
1,1-DICHLOROETHANE	mcg	<b>4.4</b>	<b>4.4</b>
1,2-DICHLOROETHANE	mcg.	<b>&lt;.3</b>	<.3
1,1-DICHLOROETHENE	mcg.	<b>&lt;.3</b>	<b>&lt;.3</b>
TRANS-1, 2-DICHLOROETHENE	ncg.	<.5	<.5
1,2-DICHLOROPROPANE	mcg.	<b>&lt;.3</b>	<b>&lt;.3</b>
CIS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.</b> 5	<.5
TRANS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.</b> 5	<.5
METHYLENE CHLORIDE	ncg.	<b>***</b>	<b>4.4</b>
1,1,2,2-TETRACHLOROETHANE	mcg	9.>	<b>9.</b> ×
1,1,1-TRICHLOROETHANE	mcg.	<b>&lt;.</b> 5	<.5
1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.</b> 5	<.5
TRICHLOROETHYLENE	mcg	<b>&lt;.</b> 5	<.5
TRICHLOROFLUOROMETHANE	mcg.	4.4	<b>4.4</b>
VINYL CHLORIDE	mcg	6.>	<b>6.</b> >
602			
BENZENE	<b>BC</b> d	<b>&lt;.</b> 5	<.5
CHLOROBENZENE	BCd	9*>	9.
1,2-DICHLOROBENZENE	ncg.	<b>4</b> 1	₹
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<.5
1,4-DICHLOROBENZENE	ncg.	<b>7.</b> >	<b>7.</b> >
ETHYLBENZENE	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>
TOLUENE	<b>ac</b> g	<b>&lt;.3</b>	<b>&lt;.3</b>

SITE 30 CONTINUED

AVERAGE	1.30	500.00	36.00	ERR	2.90	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	<10	ERR	<100	<100	<100	<100	ERR	<100	3775.00	<20	<100	<1	<100	<10	<10	131.00	49.40	7.50	<100	<100
	1.30	200.00	36.00		2.90									<10		<100	<100	<100	<100		<100	3775,00	<20	<100	₽	<100	<10	<10	131.00	49.40	7.50	<100	<100
T/bn	mg/L	mg/L	加九	邓九	mg/L	mg/L	mg/L	In A	mq/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	7/bn	ng/L	ng/L	T/bn	ng/L	ng/L	ng/L	mg/L	IIIQ/L	ı	ng/L
SITE 31	POT EXTR HYD	CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	OIL & GREASE	AMMONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	ALUMINUM	BERYLIUM

Dissolved IDE			
	ng/L		
	mg/L		
	8		
	mg/L		
le (TDS)	mg/L		
Non (SS)	配孔		
	mg/L		
Volatile	mg/L		
Conductance	umho		
	ing/L		
SURFACTANTS	mg/L	1.30	
TURBIDITY	3		
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/L	<100	❖
VANADIUM	ng/L	<100	<100
ت	ng/L		
	ng/L		
HLORIDE	mcg		
	mcg		
METHYLENE CHLORIDE	ng/L	5.60	
TRI CHLOROFILUOROMETHANE		4.10	
CHLOROFORM	mcg	<b>&lt;.3</b>	
601			
LOROMETHANE	mcg	<b>4.4</b>	
	mcg	<b>&lt;.7</b>	
BROMOMETHIANE	mcg	6.>	
CARBON TETRACHLORIDE	ncg	<.5	
CHLOROBENZENE	ncg	<b>9.</b> >	
•	mcg	6.>	
2-CHLOROETHYIVINYL ETHER 1	mcg	6.>	
CHLOROFORM	mcg	<b>&lt;.3</b>	

**************************************	6.9	4		. ^ ^ . ? 4.	. v . v	\ \ \ \ \ \	<pre></pre> <pre>&lt; &lt; &lt;</pre>	<pre></pre>
<pre></pre>	7.> 6.9	4. w. w.	 		<b>^.</b> 5 <b>^.</b> 6	<b>^.</b> 5	<.5 <.4 <.9	<.5 <.6 <.7 <.3
	NE mcg		KOETHENE mcg INE mcg PROPANE mcg	PROPEN	ETHAN		THIANE mcg	mcg mcg ane mcg ane ane mcg
601 CHLOROMETHANE DIBROMOCHLOROMETHANE 1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE DICHLOROPELJOROMETHANE	1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE 1, 2-DICHLOROPROPANE CIS-1, 3-DICHLOROPROPANE	TRANS-1,3-DICHLOROPROPEN METHYLENE CHLORIDE	1,1,2,2-tetrachloroethan tetrachloroethylene	1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE TRICHLOROFLUOROMEHTANE VINYL CHLORIDE	BENZENE CHLOROBENZENE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 4-DICHLOROBENZENE ETHYLBENZENE

SITE 31 CONTINUED

2.90 600.00 41.00 50.00	5.10 72.00 0.12 <.02 80.00 5.60 0.01 ERR	4.30 242.50 (100 231.00 (100 937.00 937.00 360.50 20.00	<1 <100 <10 <100 <17.95 9.70 ERR ERR ERR ERR
		₽	
1.00	5.10	<1 100.00 406.00	49.20
4.80 600.00 53.00 50.00	72.00 0.12 6.02 80.00 5.60 15.00	4.30 385.00 <100 231.00 <100 937.00 <100 315.00 <100	<100 <100 <10 <100 46.70 8.80
			T fin
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN TOTAL ORGANIC CARBON	OIL & GREASE AMMONIA NITRATE NITRITE TOTAL KJELDAHL NITROGEN PHOSPHORUS ortho PO4 PHOSPHORUS CYANIDE CYANIDE free	PHENOLS (EPA 604) PHENOLS (MTH. 420) ARSENIC BARIUM CADMIUM CHROMIUM CHROMIUM CHROMIUM LEAD MANGANESE	MERCURY NICKEL SELENIUM SILVER ZINC CALCIUM MAGNESIUM POTASSIUM SODIUM ICP METALS ALUMINUM

SITE 32

BERYLIUM BORCN	ng/L	<100 700.00		•	<100
BORON Dissolved	ng/L			•	ERR
CHLORIDE	ing/L	51.00			51.00
FLUORIDE	3 5				ERR
Residue Filterable (TDS)		423.00		7	423.00
Residue Non (SS)					ERR ERR
Residue	III T	461.00		4	461.00
Residue Volatile	mg/L	749.00			749.00
Specfic Conductance	orum	1204.00		12	1204.00
SULFAITE	mg/L	84.00			84.00
SURFACTANTS	mg/L	0.30	0.50		0.30
TURBIDITY	12				ERR
CORALT	ng/L	<100		⊽	<100
MOLYBDENUM	nd/L	<100		₩.	100
TITANIUM	ng/L	<100		. ₩	<100
VANADIUM	7/bn	<100		. ₩	100
ALK TOTAL	mg/L	427.00		4	427.00
SULFIDES	mq/L	0.40			0.40
1,3-DICHLOROBENZENE					• •
METHYLENE CHLORIDE	nd/T	15.00	5971.00	29	993.00
<b>TETRACHLOROETHYLENE</b>		153.00			153.00
BINGZNE					ERR
1,4-DICHLOROBENZENE	ng/L	4.80	4.00		4.40
ETHYL BENZENE	ng/L	308.00		(*)	308.00
TOLUENE	7/bn	356.00		M	356.00
CIS-1,2-DICHLOROETHENE	i Bicd	30.00		•	30.00
CHLOROBENZENE	mcg				
601					
BROMODICHLOROMETHANE	mcd	<b>4.4</b>			4.4
BROMOFORM	mcg	<b>7.</b> >			<b>7.</b> >
BROMOMETHANE	ncg	6.>			6.9
CARBON TETRACHLORIDE	mcg	<b>&lt;.</b> 5			<b>&lt;.</b> 5

SITE 32 CONTINUED

SITE 32 CONTINUED CHLOROBENZENE CHLOROETHANE	incg incg	9.> 6.>	AVERAGE
2-CHLOROETHYTVINYL ETHER CHLOROFORM CHLOROMETHANE	mcg mcg	6. 8. 8.	5 m &
DIBROMOCHLOROMETHANE 1, 2-DICHLOROBENZENE 1, 3-DICHLOROBENZENE	acg acg	<.9 <!</th <th>4.9 4.5</th>	4.9 4.5
1,4-DICHLOROBENZENE DICHLOROPFLUOROMETHANE 1,1-DICHLOROETHANE	mcg mcg	7. \ 0. \ 4. \	., ., ., ., ., ., ., ., ., ., ., ., ., .
1,1-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE	60m 1000 1000 1000		
TRANS-1, 3-DICHLOROPROPANE TRANS-1, 3-DICHLOROPROPEN METHYLENE CHLORIDE 1, 1, 2, 2-TETRACHLOROETHAN TETRACHLOROETHYLENE 1, 1, 1-TRICHLOROETHANE	mcg mcg mcg mcg	v v 4 v v v	, , , , , , , , , , , , , , , , , , ,
1,1,2-TRICHLOROETHANE TRICHLOROETHYLENE TRICHLOROFLUOROMEHTANE VINYL CHLORIDE	ncg ncg ncg	   	^ ^ ^ ^ 4.0
602 BENZENE CHLOROBENZENE 1, 2-DI CHLOROBENZENE 1, 4-DI CHLOROBENZENE ETHYLBENZENE FITHYLBENZENE TOLUENE CIS-1, 2-DI CHLOROETHENE	### ##################################	<.5 <.6 <.1 <.5 <.7 <.3 <.3 <.3 <.3	6.5 6.5 6.3 6.3 6.3

AVERAGE	4.60	45.00	6.20	ERR	ERR	ERR	ERR	ERR	ERB FERB	647.00	42.00	<100	114.00	<100	<100	ERR	<100	1692.00	67.00	<100	<b>^1</b>	<100	<10	<10	217.00	52.00	8.50	ERR	ERR	ERR
	4.60	45.00	6.20							647.00	42.00	<100	114.00	<100	<100		<100	1692.00	67.00	<100	<b>†</b>	<100	<10	<10	217.00	52.00	8.50			
			75	T Gar		N P	Ing/L			ng/L	ng/L	ng/L	7/bn	ng/L	ng/T	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	Ing/L	mg/L	mg/L	175	1/5
SITE 33	POT EXTR HYD CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAN TOTAL ORGANIC CARBON	OIL & GREASE	AMMONIA	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SOLUM 100 Memar 6	ICF METALS

SITE 33 CONTINUED			AVERAGE
BERYLIUM	nd/L	<100	<100
BORON	ng/L		ERR
BORON Dissolved	ng/L		ERR
CHLORIDE	mg/L		ERR
COLOR	5		ERR
FLUORIDE			ERR
Residue Filterable (TDS)			ERR
Residue Non (SS)	mg/L		ERR
Residue	点へ		ERR
Residue Volatile	mg/L		ERR
Specfic Conductance	ortun		ERR
SULFATE			ERR
SURFACTANTS	mg/L	3.60	3.60
TURBIDITY	2		ERR
COBALT	7/bn	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/I	117.00	117.00
VANADIUM	ng/T	<100	<100
ALK TOTAL	mg/L		
SULFIDES	mg/L		
CHLOROBENZENE	mcg	9.>	<b>9.</b>
METHYLENE CHLORIDE	ng/T	29.00	29.00
BENZENE	mcg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
CHLOROFORM	mcg	<b>&lt;.3</b>	<b>6.3</b>
601			
BROMOD I CHLOROMETHANE	mcg	<b>**</b>	4.4
BROMOFORM	mcg	7.>	<b>7.</b>
CARBON TETRACHLORIDE	ာ် ရောင်	۲.۶ ۲.۶	\ . .5

CHLOROBENZENE	mcg	<b>4.6</b>	<b>9.</b> ×
CHLOROETHANE	ncg	6.>	6.>
2-CHLOROETHYIVINYL ETHER	mcg	6.>	6.>
CHLOROFORM	mcg	<b>&lt;.3</b>	<b>6.3</b>
CHLOROMETHANE	mcg	<b>6.8</b>	8.
DIBROMOCHLOROMETHANE	meg	6.>	6.>
1,2-DICHLOROBENZENE	mcg	₽	₽
1,3-DICHLOROBENZENE	mcg	<b>&lt;.5</b>	<b>&lt;.</b> 5
1,4-DICHLOROBENZENE	meg	<b>6.7</b>	<b>7.</b> >
DICHLORODFLUOROMETHANE	mcg	6.>	6.>
1,1-DICHLOROETHANE	mcg	<b>*.</b> *	4.4
1,2-DICHLOROETHANE	mcg	<b>&lt;.</b> 3	ς. <sub>3</sub>
1,1-dichloroethene	mcg	<b>&lt;.3</b>	<b>6.</b> 3
TRANS-1, 2-DICHLOROETHENE	mcg.	<b>&lt;.</b> 5	<b>.</b> .5
1,2-DICHLOROPROPANE	mcg	<b>&lt;.3</b>	<b>6.</b> 3
CIS-1, 3-DICHLOROPROPANE	mcg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
TRANS-1, 3-DICHLOROPROPEN	meg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
METHYLENE CHLORIDE	meg	<b>*.4</b>	٧.4
1,1,2,2-TETRACHLOROETHAN	mcg	<b>&lt;.</b> 5	<b>.</b> .5
<b>TETRACHLOROETHYLENE</b>	mcg	<b>*.</b> 6	9.>
1,1,1-TRICHLOROETHANE	meg	<b>&lt;.</b> 5	<b>.</b> .5
1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.</b> 5	<b>.</b> .5
TRICHLOROETHYLENE	mcg	<b>&lt;.</b> 5	<b>.</b> .5
TRI CHLOROFILJOROMEHTANE	mcg	<.4	<b>4.4</b>
VINYL CHLORIDE	mcg	6.>	<b>6.</b> >
602	mq/L	550.00	550.00
BENZENE	mcg	٠.5	 5
CHLOROBENZENE	mcg	<b>9.</b> >	9.
1,2-DICHLOROBENZENE	mcg.	41	₹
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<b>&lt;.5</b>
1,4-DICHLOROBENZENE	mcg	<b>6.7</b>	<b>7.</b> >
ETHYLBENZENE	mcg	<b>&lt;.3</b>	٠. د.
TOLUENE	mcg	<b>ć.</b> 3	<b>&lt;.</b> 3

<100	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	1650.00	LKK 100	7100	13000-00	<100	ERR	ERR	11.00	12.00	7.50	7.70	4. \	6'>	\$ * <b>?</b>
<100	<b>3</b> . <b>1</b> . 1	•				. 7	0		1650.00			13000.00			. 7	11.00		7.50	7.70	<b>7.4</b>	6.5	<.5
BERYLIUM ug/L	BORON Dissolved ug/L			Residue Filterable (TDS) mg/L Residue Non (SS)	Residue mg/L mg/L		Conductance		THE TOTAL OF THE T				VANADIUM UQ/L	ے	SULFIDES	ETHENE	METHYLENE CHLORIDE ug/L		1,1,1-TRICHLOROETHANE ug/L	BROWDFORM mcg BROWDFORM	BROMOMETHANE	CARBON TETRACHLORIDE mcg

SITE 34 CONTINUED

<b>9.</b> ×	6.>	6.>	£*>	8.>	6.>	₽	<b>&lt;.</b> 5	<b>7.</b> >	6.>	<b>*.4</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.5</b>	<b>6.3</b>	<.5	<.5 .5	<b>*</b> **	<.5 <.5	9.>	<b>.</b> .5	<b>&lt;.5</b>	<b>.</b> .5	٧.٧	6.>		<b>&lt;.5</b>	9.>	. ₩	\$°>	7.7	, w.	£.>
<b>9.</b> >	6.>	6.>	<b>6.3</b>	<b>8.</b>	6.9	₽	<b>&lt;.</b> 5	<b>7.</b> >	6.9	<b>4.4</b>	<b>6.3</b>	<b>6.3</b>	< <b>.</b> 5	<b>&lt;.3</b>	< <b>.</b> 5	<b>*.</b> 5	<b>4.</b> 4	<.5 *.5	9.>	<.5 <.5	<b>*.</b> 5	<.5	<b>4.4</b>	<b>6.</b> %		<.5	9.8	₽	<.5	<.7	Ψ. • •	<b>*.</b> 3
mcg	mcg	mcg	mcg	mcg	mcg.	Ecg.	mcg	mcg	ncg	<b>acg</b>	mcg	<b>acg</b>	mcg	meg	mcg.	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg		mcg	mcd.	mcg	mcd	ECG,	EC D	mcg.
CHLOROBENZENE	CHLOROETHANE	2-CHLOROETHYIVINYL ETHER	CHLOROFORM	CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DICHLORODFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE		z	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHAN	TETRACHLOROETHYLENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMEHTANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE			1,4-DICHLOROPENZENE	ETHYLBENZENE	TOLUENE

SITE 34 CONTINUED

BERYLIUM BORON BORON BORON BORON BORON BOLON CHIORIDE COLOR FLUORIDE BOLON CU FLUORIDE BOLON CU FLUORIDE BOLON FLUORIDE BOLON FLUORIDE	7,0	<100	•
Í	a/L		<b>&lt;100</b>
Í	1		ERR
ĺ	Ž		ERR
ĺ	g/L		ERR
ĺ	Þ		ERR
	g/L		ERR
(S)	Z/P		ERR
Residue Non (SS) m	g/L		ERR
	A/L		ERR
	d/L		ERR
	otel		ERR
	g/L		ERR
	7	18.50	18.50
	Þ		ERR
	<u>7</u>	<100	<100
	7	<100	<100
TITANIUM	7	<100	<100
	7	<100	<100
	g/L		ERR
	Z.		ERR
METHYLENE CHLORIDE	7	5.00	5.00
L, 3-DICHLOROBENZENE	<u>9</u> /L	37.00	37.00

0.60 500.00 7.00	09.0								100	226.00			<100 <100			368.00			<10 <10		230.00			6.20 6.20		
	age and the state of the state			7 7 pg	1 7 6m	1/5										7/5n			ng/T	ng/L	nd/L	ığν.	mg/L	Ing/L	mg/L	EQ/L
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON OIL & GREASE AMMONIA	NITRATE NITRITE	JELL	PHOSPHORUS OF The PO4 PHOSPHORUS	CYANIDE	**	_	PHENOLS (MTH. 420)	ARSENIC	BAKIUM	CADMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	611W	CALCIUM	MAGNESIUM	POTASSIUM	SODIOM

SITE 36

SITE 36 CONTINUED			AVERAGE
BERYLIUM	7/bn	<100	<100
BORON	ng/L		FRR
BORCN Dissolved	ng/T		NA NA
CHLORIDE	加入		
COLOR	8		ERR
FLUORIDE			ERR
Residue Filterable (TDS)			ERR
Residue Non (SS)	T/Du		ERR
Residue	mq/L		ERR
Residue Volatile	mq/L		ERR.
Specfic Conductance	of the		i a
SULFATE	四人工		TEN COL
SURFACTANTS	mg/L	09-0	9
TURBIDITY	,5		20.0
COBALT	nd/T	<100	×100 ×100
MOLYBDENUM	ug/L	<100	2017
TITANIOM	T/bn	<100	7100
VANADIUM	ng/L	<100	
ALK TOTAL	T/bill		aa.i
SULFIDES			
TOLUENE	ng/L	1.40	1.40
601			
BROMODICHLOROMETHANE	<b>BC</b> d	4.4	7 /
BROMOFORM	ncg.	<.7 <.7	<>
BROMOMETHANE	<b>ac</b> g	6.>	6.>
CARBON TETRACHLORIDE	ncg	<b>.</b> .5	<b>&lt;.</b> 5

CHLOROETHANE	boar 60ar	۰. و. د	9. > >
IVINYL ETHER	500	0 m 0	
E)	552	o. ^	0° '
	mcg	41_	7
1,3-DICHLOROBENZENE DO 11,4-DICHLOROBENZENE DO 12,4-DICHLOROBENZENE DO 13,4-DICHLOROBENZENE DO 13,4-DICHLOROBENZENE DO 12,4-DICHLOROBENZENE DO 12,4-DI	60 BCG	<.5 >	*.5 *.5
ANE	acg.	6.>	o.* >
	ncg.	<b>4.4</b>	<b>4.4</b>
	mcg	<b>&lt;.3</b>	£**
	ncg.	<b>*.</b> 3	m. >
THENE	<b>B</b> cg	5	
	ncg.	<b>6.3</b>	<b>**</b> 3
	mcg	<b></b> 5	<.5
PROPEN	ncg	<b>.</b> .5	·.5
	acg.	4.	4.
CIHAN	mcg m	 	<b>5.</b> >
	ncg.	•.6	9.>
	<b>n</b> cg	<b>&lt;.</b> 5	<.5
1,1,2-TRICHLOROETHANE m	Ecg.	<b>.</b> .5	
TRICHLOROETHYLENE IN	<b>B</b> Cg	<b>&lt;.</b> 5	5.5
TRICHLOROFLUOROMENTANE IN	ncg.	<b>4.</b>	<b>*.</b>
VINYL CHLORIDE m	ncg	6.>	6.>
BENZENE	ncq.	<b>.</b> .5	<.5 *.5
	o bog	9*>	9">
1.2-DICHLOROBENZENE		4	
		;	, <u>,</u>
		<u> </u>	
		<b>6.3</b>	
	S boar	· * *	

SITE 37  POT EXIR HYD  CHEMICAL OXYGEN DEMAND  BIOCHEMICAL OXYGEN DEMAN	mg/L mg/L mg/L	70.40 3250.00 981.00	AVERAGE 70.40 3250.00 981.00
IOTAL ORGANIC CARBON DIL & GREASE	mg/L	70.40	ERR 70.40
	mg/L		ERR
			ERR
TOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4			ERR
	mg/L		ERR
	ng/L		ERR
(EPA 604)	ng/L		ERR
420)	ng/L	112.00	112.00
	ng/L	<100	<100
	ng/L	124.00	124.00
	ng/L	<100	<100
•	ng/I.	\$100 \$100	<100 
Hexavalent	ng/L		ERR
	ng/L	105.00	105.00
	ng/L	2148.00	2148.00
	ng/L	206.00	206.00
	ng/L	<100	<100
	ng/L	₽	4
	ng/T	<100	<100
	ng/L	<10	<10
	ng/L	20.00	20.00
	ng/L	692.00	692.00
	mg/L	53.90	53.90
	mg/L	9.30	9.30
			ERR
			DKR T
		645 00	ERR 645 OO
	ا ا	>>	>> · · · · · · · · · · · · · · · · · ·

SITE 37 CONTINUED			AVERAGE
CHLOROBENZENE	meg	<b>6.6</b>	<b>6.</b> 6
CHLOROETHANE	mcg	6.>	6.>
2-CHLOROETHYIVINYL ETHER	mcg.	6.>	6.>
CHLOROFORM	mcg	<b>&lt;.</b> 3	<b>&lt;.3</b>
CHLOROMETHANE	mcg	8.>	<b>8.</b>
DIBROMOCHLOROMETHANE	mcg	6.>	6.
1,2-DICHLORÓBENZENE	mcg	4	₽
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<b>.</b> .5
1,4-DICHLOROBENZENE	mc <sub>g</sub>	<b>7.</b> >	<b>7.</b> >
DICHLORODFLUOROMETHANE	mcg	6.>	6.>
1,1-DICHLOROETHANE	mc <sub>g</sub>	<b>&lt;.4</b>	<b>4.4</b>
1,2-DICHLOROETHANE	mc <sub>Q</sub>	<b>&lt;.</b> 3	<b>6.</b> 3
1,1-DICHLOROETHENE	mcg	<b>&lt;.3</b>	<b>6.3</b>
TRANS-1, 2-DICHLOROETHENE	mcg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
1,2-DICHLOROPROPANE	mcg	<b>&lt;.3</b>	<b>6.3</b>
CIS-1, 3-DICHLOROPROPANE	mcg	<b>&lt;.</b> 5	<.5 5.5
TRANS-1, 3-DICHLOROPROPEN	mcg	<b>&lt;.</b> 5	<b>.</b> .5
METHYLENE CHLORIDE	mcg	<b>&lt;.4</b>	<b>4.4</b>
1,1,2,2-TETRACHLOROETHAN	meg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
<b>TETRACHLOROETHYLENE</b>	mcg	9*>	<b>9.</b> ×
1,1,1-TRICHLOROETHANE	meg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
1,1,2-TRICHLOROETHANE	meg	<b>&lt;.</b> 5	<b>.</b> .5
TRI CHLOROETHYLENE	ncg	<b>&lt;.</b> 5	<b>&lt;.</b> 5
TRICHLOROFLUOROMENTANE	mcg	<b>***</b>	<b>4.4</b>
VINYL CHLORIDE	mcg	6.>	<b>6.</b> >
DICHLORODI FLUOROMETHANE	mcg	6.>	6.>
602			
BENZENE	mcq	<.5	<.5 5.5
CHLOROBENZENE	nc d	<b>9.</b> %	9*>
1,2-DICHLOROBENZENE	mcg	<b>&lt;1</b>	₹
1,3-DICHLOROBENZENE	mcg	<.5	<b>.</b> 5
1,4-DICHLOROBENZENE	meg	<b></b> 7	<b>6.7</b>
ETHYLBENZENE	ncg	<b>&lt;.</b> 3	<b>6.3</b>
TOLUENE	ncg	<b>&lt;.3</b>	<b>&lt;.3</b>

SITE 38			AVERAGE
POT EXTR HYD	mg/L	2.60	2.60
CHEMICAL OXYGEN DEMAND		500.00	200.00
BIOCHEMICAL OXYGEN DEMAN	mg/L	46.00	46.00
TOTAL ORGANIC CARBON	mg/L		ERR
OIL & GREASE	mg/L	23.70	23.70
AMMONIA	mg/L		ERR
NITRATE	mg/L		ERR
NITRITE	乙烷		ERR
IOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	T/Su		ERR
CYANIDE	ng/L		ERR
CYANIDE free	17 Del		ERR
PHENOLS (EPA 604)	7/bn		ERR
PHENOLS (MTH. 420)	ng/L	15.00	15.00
ARSENIC	ng/L	<100	<100
BARIUM	ng/T	179.00	179.00
CADMIUM	7/bn	<b>&lt;10</b> 0	<100
	7/bn	<b>&lt;10</b> 0	<100
CHROMIUM Hexavalent	ng/L		ERR
COPPER	ng/L	<100	<100
CRON	ng/L	9484.00	9484.00
CEAD	ng/L	39.00	39.00
PANCANESE	ng/L	124.00	124.00
MERCURY	ng/L	2.60	2.60
NICKEL	7/bn	<100	<100
SELENIUM	ng/L	<10	<10
SILVER	ng/L	<10	<10
ZINC	ng/L	171.00	171.00
CALCIUM	ING/L	69.30	69.30
MAGNESIUM	mg/L	9.90	06.6
POTASSIUM	邓元		ERR
SODIUM	IIIQ/L		ERR
ICP METALS	mg/L		ERR
ALUMINUM	ng/L	267.00	267.00

SITE 38 CONTINUED			AVERAGE
ALL TITM	ng/L	<100	<100
	ug/L		ERR
Dissolved	ng/L		ERR
CHORIDE	17 Da		ERR
<b>30700</b>	8		ERR
FLUORIDE	mq/L		ERR
Residue Filterable (TDS)	7/bm		ERR
Residue Non (SS)	mg/L		ERR
Residue	mg/L		XX
Residue Volatile	mg/L		ERR
Specfic Conductance	orm		ERR
SULFATE	mg/L		EKK 10
SURFACTANTS	1/5m	2.40	2.40
TURBIDITY	5	1	HAR.
COBALT	ng/T	<100	\$100 \$100
MOLYBDENUM	ng/I	<100	4100 4100
TITANIUM	ng/L	<100	\$100 \$100
VANADIUM	ng/Ir	<100	00T>
ALK TOTAL	mg/L		ERK
SULFIDES	mg/L		XXII
FLOURIDE	mg/L	•	ERK
1,4-Dichlorobenzene	ng/T	9.30	9.30
trans-1,2-Dichloroethene	ng/T	16.00	16.00
1,1,1-Trichloroethane	mg/L	2.10	01.2
601			•
BROMODI CHLOROMETHANE	mcg	<b>7.</b> '	<b>4.</b> /
BROMOFORM	mcg	···	· · ·
BROMOMETHANE	Ecg.	, , ,	) (r) 
CARBON TETRACHLORIDE		n •	9.9
CHLOROETHANE	EGG I	6.>	6.>

o. m. o	o. ^	₹	<b></b> 5	6.	<b>**</b>	 *.3	<b>&lt;.3</b>	<.5	<.3	۰. د.	\ \ ••	4.	\ \ \ \ \	9.>	្ត ហ្វ <b>ុ</b>	\ \ \ \ \	្ត <b>ទ</b> ុ	4.4	6.>		<.5	9'>	; ; ;	نار *	<>	. ε. • •	£,3
<b>σ. κ. α</b> • • • • •	6.5	<1 	<b></b> 5	6.	<b>6.4</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>^.</b> 5	<b>&lt;.3</b>	<b>&lt;.5</b>	<b>&lt;.5</b>	<.4	<b>&lt;.</b> 5	<b>4.6</b>	<.5	<b>&lt;.5</b>	<.5	<b>6.4</b>	6.>		·	9.>	41	<b>&lt;.</b> 5	<b>7.</b> >	<b>&lt;.3</b>	<b>&lt;.3</b>
YL ETHER INCG	ы		ENE mcg	ANE		NE mcg					PROPEN								meg		mcd	inco o			ENE mcg	inc <sub>q</sub>	mc <sub>g</sub>
2—CHLOROETHYTVINYL ETHER CHLOROFORM CHLOROMETHANE	DIBROMOCHLOROMETHANE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE	DICHLORODFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPANE	TRANS-1, 3-DICHLOROPROPEN	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHAN	TETRACHLOROETHYLENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMEHTANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ETHYLBENZENE	TOLUENE

SITE 38 CONTINUED

SITE 39			AVERAGE
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	mg 元 mg 元	84.00 2000.00 694.00	84.00 2000.00 694.00
TOTAL ORGANIC CARBON	mg/L	,	
OIL & GREASE		132.00	132.00
NITRATE			ERE FBB
NITRITE	mg/L		ERR
TOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	7/5		ERR
CYANIDE free			NAME OF THE PERSON OF THE PERS
PHENOLS (EPA 604)	ng/L		ERR
PHENOLS (MTH. 420)	ng/L	105.00	105.00
ARSENIC	ng/L	<100	<100
BARIUM	ng/L	629.00	629.00
CADMIUM	7/bn	<100	<100
CHROMIUM	ng/T	<100	<100
Christian Hexavalent	מלער מ	( ·	ERR
TECE	7/5n	<100 1305 90	<100
LEGIN	J/gn	7295.00	7295.00
MANGANESE	מליל הלילים הלילים	684.00	498.00 684 00
MERCURY	Z/bn	1.00	1.00
NICKEL	ng/L	101.00	101.00
SELENIUM	ng/L	<10	<10
SILVER	ng/I	26.00	26.00
ZINC	7/gn	1038.00	1038.00
CALCIUM	mg/L	51.40	51.40
MAGNESTUM	T/pm	10.00	10.00
FOLASSIUM	175m		ERR
SOLIUM ICP METALS			ERR
ALUMINUM	ng/L	1743.00	1743.00

SITE 39 CONTINUED			AVERAGE
BERYLIUM	1/bn	<100	<100
BORON	7/bn		ERR
BORON Dissolved	7/bn		ERR
CHLORIDE	7/5		ERR
COLOR	8		ERR
FLUORIDE	IIQ/L		ERR
Residue Filterable (TDS)	17/DII		ERR
Residue Non (SS)	IIIQ/L		ERR
Residue	mg/L		ERR
Residue Volatile	IIIQ/L		ERR
Specfic Conductance	odim		ERR
SULFATE			ERR
SURFACTANTS	mg/L	380.00	380.00
TURBIDITY	5		ERR
COBALT	7/bn	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/L	<100	<100
VANADIUM	ng/I	<100	<100
ALK TOTAL	mg/L		
SULFIDES	mg/L		
Chloroethane	T/bn	20.00	20.00
1,1 Dichloroethane	mg/L	46.00	46.00
Methylene chloride	ng/L	7.90	7.90

0.80 328.33 160.00	75.00	60.50	0.16	0.04	80.53	8.53	19.17	0.02	ERR	<100	22.00	79.00	344.33	<100	<100	<b>&lt;20</b>	161.00	1688.00	155.67	101.00	12.50	<100	<b>&lt;10</b>	<10	786.67	57.97	10.70	ERR	ERR	ERR	584.33
<.3 185.00 165.00	68.00	69.00	<b>&lt;.1</b>	0.03	100.00	11.00	21.50	0.02		<100	<100	67.00	219.00	<100	<100	<50	<100	1107.00	112.00	<100	4	<100	<10	<10	584.00	51.00	9.80				353.00
1.00 200.00 172.00	72.00	67.50	<b>&lt;.1</b>	0.03	82.40	7.60	27.50	0.02		<100	22.00	105.00	229.00	<100	<100	<50	<100	538.00	65.00	<100	8.00	<100	<10	<10	333.00	49.50	9.60	٠			216.00
0.60 600.00 143.00	85.00 4.60	45.00	0.16	0.0	59.20	7.00	8.50	0.03		<100	<100	65.00	585.00	<100	<100	<50	161.00	3419.00	290.00	101.00	17.00	<100	<10	<10	1443.00	73.40	12.70			,	1184.00
mg/L mg/L	mg/L	ng/L	五人石	阿九	mg/L	四九		ING/L	mg/L	ng/I	7/bn	ng/L	7/bn	7/bn	ng/L	ng/T	7/bn	ng/T	7/bn	7/bn	ng/T	7/bn	ng/T	7/bn	7/bn	110 J	mg/L	阿孔	mg/L	T/Su	mcg.
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON OIL & GREASE	APPONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free		(EPA (	PHENOLS (MTH. 420)	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	MOLICOS	ICP METALS	ALUMINUM

AVERAGE	<100	9133.33	TRE TREE	52 67	0 · 10 · 10 · 10 · 10 · 10 · 10 · 10 ·		79 C85	78.20	00.1/ 00.1/ 00.1/	258 67	1207.33	41.00	1 07	16.1	4100 EAS	2017	001	<100 -	<100	438.67	2.33	ERR	8.37	9.63	ERR		<b>4.</b> 6.	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	y . v	) Y	)
	<100	11700.00		60.00			420.00	•		162.00	1284.00	14.00	1.30		<100	×100		4100 1100	<100	476.00	1.80	•	11.00	6.70							
	<100	8700.00		50.00	•		760.00		758.00	359.00	1198.00	22.00	2.20	) }	<100	<100	0017	7,000	\T00	450.00	4.00	;	7.40	10.20							
	<100	7000.00		48.00			568.00	74.00	615.00	255.00	1140.00	87.00	2.40		<100	<100	2017	7100	001	390.00	1.20	,	0.70	12.00		•	* ^	· o	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9.>	
	1/bn	ng/L	7/bn	mq/L	8	mq/L			mq/L	mq/L	orm	mg/L	mq/L		7/bn								ı√bn	ng/L		į	5 C		mcq	ncg	ı
SITE 40 CONTINUED	BERYLIUM	BORON	BORON Dissolved	CHLORIDE	COLOR	FLUORIDE	Residue Filterable (TDS)	Non (SS)	Residue	Residue Volatile	Specfic Conductance	SULFATE	SURFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANITIM	VANADITIM		ALK IQEAL	SOLFTDES	1 A_Diohlorohomen	1 4 Pichlobelizelle	1,4-Dichloropenzene	601	BROWDD I CHI OBOMETHANIE	BROMOFORM	BROMOMETHANE	CARBON TETRACHLORIDE	CHLOROBENZENE	

AVERAGE	6.>	6.>	<b>6.3</b>	<b>6</b>	6.	; ₩	; <b>&gt;</b>	<.7 <.7	6.>	4.4	· · · ·	· · · · · · · · · · · · · · · · · · ·	, , , ,	,	, , ,	, (1)	4.>	, r.	9. >	, , ,	· • • • • • • • • • • • • • • • • • • •	, ,	4. >	6.>		<b>'</b>		٥. ٠	, ,	·,	; ~	÷;
	6.>	6.>	<b>6.3</b>	8.	6.>	7	<b>.</b> .5	<b>7.</b> 2	6.>	4.4	<b>6.3</b>	<b>6.3</b>	<b>.</b> 5	<b>6.3</b>	<b>.</b> .5	<b>.</b> .5	<b>4.</b>		9.>	<b>.</b> 5	<b>.</b> .5	<b>.</b> .5	<b>4.4</b>	<b>6.</b> >		<b>6.5</b>	9	;	· ·	 	. Y	<b>6.3</b>
	acg.	<b>B</b> Cg	<b>B</b> Cg	BCG	ECG.	acg.	mcg	meg	mcg	mcg.	mcg.	mcg.	ncg.	mcg.	mcg.	mcg.	mcg.	mcd.	mc d	mcg	mcg	mcg	mcg	mcg		ECG.		֓֞֞֜֜֞֜֜֝֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֡֓֓֓֓֡֓֓֡֓֡֓֡֓֡			E C C	ncg.
SITE 40 CONTINUED	CHLOROETHANE	2-CHLOROETHYIVINYL ETHER	CHLORUFORM	CHLOROMETHANE	DIBROMOCHLOROMETHIANE	1,2-dichlorobenzene	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DICHLORODFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPANE	TRANS-1, 3-DICHLOROPROPEN	METHYLENE CHLORIDE	1,1,2,2-TETRACHLOROETHAN	TETRACHLOROETHYLENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMEHTANE	VINYL CHLORIDE	602	BENZENE	CHLOROBENZENE	1.2-DICHLOROBENZENE	1.3-DICHIOROBENZENE	1,4-DICHLOROBENZENE	ETHYLBENZENE	TOLUENE

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2.52 240.00 37.40 13.25 13.25 0.02 32.48 32.48 16.90 (100 (100 (100 (100 (100 (100 (100 (1	30.25
2.80 225.00 225.00 4.00	
300.00 300.00 300.00 27.00 19.20 23.00 0.02 33.60 10.00 (100 (100 (100 (100 (100 (100 (1	
1.90 225.00 225.00 44.00 12.00 27.50 30.80 6.00 18.50 (100 (100 (100 (100 (100 (100 (100 (1	26.00 392.00
0.60 165.00 165.00 26.90 21.00 0.10 0.01 0.01 0.01 1.50 1.50 1.50	34.00 500.00
275.00 275.00 39.00 9.00 20.00 0.12 0.12 0.01 5.80 16.50 (100 (100 (100 (100 (100 (100 (100 (1	30.00
250.00 35.00 35.00 8.40 26.00 0.10 0.10 17.50 17.50 113.00 (100 (100 (100 (100 (100 (100 (100 (	31.00 468.00
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	mg/L s) mg/L
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN TOTAL ORGANIC CARBON OIL & GREASE AMMONIA NITRATE NITRATE NITRATE NITRITE TOTAL KJELDAHL NITROGEN PHOSPHORUS CYANIDE CYANIDM CALDHUM CALDHUM CALDHUM CALDHUM CALDHUM CALDHUM CALCHUM MANGANESE MERCURY NICKEL SILVER ZINC CALCHUM MAGNESIUM ALLMINUM BERYLIUM BERY	CHLORIDE Residue Filterable (TDS)

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	746.25	49.75	4.80	<100	<100	<100	<100	259.25	0.97	<b>4.</b> 4	6.>	4.27	<b>6.8</b>	**	1.92	6.34	<.5	1.15	9.>	***	14.00	3.10	380.00	5.5	28.00	1.00	6.58	£,3	7	8.00	
						<100			0.80		6.>			8.>	1.70	8.00											<b>&lt;.3</b>				
( ) L	759.00	39.00	4.20	<100	<100	<100	<100	279.00	1.00	<b>4.</b>	<b>6.</b> >		<b>8.</b>	#>	3.70	14.00	<b>&lt;.</b> 5	<b>4.</b> 4	<b>9.</b> ×								7.20				
, ,	00.0//	79.00	5.40					274.00		<b>4.4</b>			<b>8.</b>		1.60	2.40	<b>&lt;.</b> 5	<b>4.4</b>	<b>9.</b> ×								13.00				
, , ,	740.00	00.00	4.40	<100	<100	<100	<100	245.00	2.00	<b>4.</b> 4	<b>6.</b>	3.10	8.		1.70	1.70	<b>&lt;.</b> 5	0.00	<b>9.</b> %		14.00				<b>.</b> .5	<b>9. &gt;</b>	2.40				
i	/16.00	91.00	5.20	<100	<100	<100	<100	239.00	90.0	<b>4.</b> 4	6.>	2.20	8.	#> #>	0.90	5.60	<b>&lt;.</b> 5	1.40	<b>9.</b> ×	**	14.00	3.10	380.00	<b>4.</b> 5	58.00	1.00	3.70	<b>6.3</b>	7	8.00	
4	ouen J	7/5	17/2m	ng/L	ng/L	nd/F	ng/L	ng/L	Ing/L	ng/L	mcg	ng/L	ng/L		ng/L		ne ug/L	ng/L	meg	mq/L	nd/L	1/bn		ng/L	1/bn	mq/L	ng/L	ng/F	nd/L	ng/L	I
	Specific Conductance	SOLFAIT	SURFACTANTS	COBALT	MOLYBDENUM	TITANIUM	VANADIUM	ALK TOTAL	SULFIDES	1,1-DICHLOROETHANE	Chloroethane	Chloroform	Chloromethane	Chlorodibromomethane	1,4-Dichlorobenzene		trans-1,2-Dichloroethene ug/L	Methylene chloride	<b>Tetrachloroethylene</b>	4-CHLOROPHENYL-PHENYLETH	DI-n-BUTYL PHTHALATE	BENZYL-BUTYLPHTHALATE	BIS(2-ETHYLHEXYL)PHTHALA	Benzene	1,3-Dichlorobenzene	Cholorobenzene	Ethyl benzene	Toluene	1,2-DICHLOROBENZENE	1,4-DICHLOROBENZENE	

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3.35 846.67 202.67	75.75	8.50	0.21	0.02	21.30	6.38	14.88	0.01	ERR	4.97	40.75	<100	120.00	<100	<100	<100	<100	419.50	<20	<100	4.55	<100	22.00	<50	44.85	6.75	ERR	ERR	153.33	<100 450.00
																<100														
	59.00	13 50	0.10	<.02	24.00	6.20	44.00	<.01			55.00	<100	<100	<100	<100	-	<100	219.00	<20	<100	₽	<100	<10	<50	40.80	6.50			<100	<100 350.00
<.3 1110.00 208.00	38.00	2.90	0.52	<.02	21.20	1.50	2.50	<.01		4.10	23.00	<100	<100	<100	<100	<100	<100	359.00	<20	<100	4	<100	11.00	<50	55.40	8.40			132.00	<100 650.00
3.50 1130.00 331.00	121.00	13.00	0.10	<.02	21.20	3.80	6.50	0.01		7.80	37.00	<100	<100	<100	<100	<100	<100	815.00	<20	<100	7.50	<100	33.00	<b>&lt;</b> 20	44.50	6.50			198.00	<100 450.00
3.20 300.00 69.00	85.00	2.00	0.12	0.02	18.80	14.00	6.50	0.01		3.00	48.00	<100	120.00	<100	<100	<100	<100	285.00	<20	<100	1.60	<100	22.00	<b>&lt;</b> 20	38.70	5.60			130.00	<100 350.00
mg元 mg元	J. P.		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	mg/L	ng/L	ng/L	ng/L	ng/L	ng/L	mg/L	mg/L	ng/L	IIIQ/L	ng/L	ng/L ng/L
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	AMMONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free	PHENOLS (EPA 604)	PHENOLS (MTH. 620)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANGANESE	MERCURY	NICKEL	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SODIUM	ALUMINUM	BERYLIUM BORON

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33.25	505.33 116.50 689.50 23.75 5.90 <100 <100 <100 265.00 1.70	0.95
64.00 558.00	159.00 846.00 9.00 22.00 <100 <100 309.00 2.00	
22.00 328.00	563.00 108.00 637.00 55.00 (100 (100 (100 212.00 1.60	
26.00 290.00	418.00 119.00 627.00 9.00 0.50 (100 (100 255.00 2.40 1.20	1.20
21.00	535.00 80.00 648.00 22.00 (100 (100 (100 (100 (100 (100 (100 (	0.70
mg/L Som (Some	Property Pro	ng/r
CHLORIDE Residue Filterable (TI Residue Non (SS)	Residue Residue Volatile Specfic Conductance SULFATE SURFACTANTS MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES Chloroform Wethylene chloride	ruyi penzene

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	POT EXTR HYD	Ing/L	5.70	9.80	2.60	6.03
	CHEMICAL OXYGEN DEMAND	7/5	0.25	200.00	390.00	96.75
	BIOCHEMICAL OXYGEN DEMAN	_	118.50	147.50	188.00	51.33
	TOTAL ORGANIC CARBON	175m	59.00	48.00	60.00	55.67
	OIL & GREASE		45.20	44.80	17.80	35.93
	APPONIA		13.50	20.00	13.50	15.67
	NITRAILE	mg/L	0.10	<b>&lt;.1</b>	<b>&lt;.1</b>	0.10
	NITRITE		0.02	<.02	<.02	0.02
	TOTAL KJELDAHL NITROGEN	III J	24.00	30.40	22.80	25.73
	PHOSPHORUS ortho PO4	EG/L	6.20	8.60	6.25	7.02
	PHOSPHORUS	mg/L	44.00	18.50	13.50	25.33
	CYANIDE	mg/L	0.01	0.01	0.01	0.01
	PHENOLS (EPA 604)	7/bn	15.00	12.00	34.00	20.33
	PHENOLS (MTH. 620)	ng/L	25.00	34.00	55.00	38.00
	ARSENIC	7/bn	<100	<100	<100	<100
	BARIUM	ng/L	<100	<100	<100	<100
20	CADMIUM	ng/T	<100	<100	<100	<100
, E	CHROMIUM	ng/L	<100	<100	<100	<100
	CHROMIUM Hexavalent	ng/L	<100	<100	<100	<100
	COPPER	ng/L	<100	<100	<100	<100
	IRON	7/bn	217.00	219.00	295.00	43.67
	LEAD	7/bn	<20	<20	<b>&lt;20</b>	<b>4</b> 50
	MANGANESE	7\fin	<100	<100	<100	<100
	MERCURY	7/bn	₽	₽	7	₽
	NICKEL	ng/L	<100	<100	<100	<100
	SILVER	ng/L	<10	<10	<10	<b>410</b>
	ZINC	ng/I	<b>&lt;</b> 20	<b>&lt;</b> 20	<50	<b>~20</b>
	CALCIUM	邓元	40.70	40.80	39.40	40.30
	MAGNESIUM	T/bu	6.40	6.50	6.40	6.43
	ALUMINUM	7 Jan	127.00	132.00	210.00	56.33
	BERYLIUM	ng/L	<100	<100	<100	<100

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SITE 43 CONTINUED							AVERAGE
	ng/L	400.00	600.00	350.00			450
	mq/L	64.00	34.00	32.00			
Residue Filterable (TDS)		558.00	265.00	504.00			
Residue Non (SS)	ING/L	96.00					.7tr
	7/5	563.00	448.00				
Residue Volatile	Ind/L	159.00	121.00	285.00			188
Specfic Conductance	ode	846.00	714.00	784.00			100.
	M/L	00.6	9.00	81.00			.10/
SURFACTANTS	ng/L	22.00	13.50	14.00			33.00
	ng/L	<100		<100			.01
MOLYBDENUM	ng/L	<100		<100			ot,
	ng/L	<100		<100			or,
	ng/T	<100		<100			ot,
		309,00	279.00	292.00			0T>
	III T	2.00		1.00			. 293.
	ng/L	) ) )					.7
1,1-DICHLOROETHANE	ng/L	0.80					ن ا
Je Je	7/bn						ָבָּי פלי
	ng/L						
	ng/L						i i
methane	mq/L						<b>1</b>
	7/5n	3.10	2.10	3.50	1.80	3.40	
trans-1,2-Dichloroethene	nd/L				) ) !	?	, 6
Methylene chloride	T/bn	0.40					21 0
Tetrachloroethylene	T/bu						
	ng/L						4 f
	ng/L	0.50					립
enzene	ng/L						• E
Ethyl benzene	7/bn	2.30	09.0	4.10			2.33
1.2-DICHIOBORNZENE	7/5n	C					Ħ
	3	7.30					2.

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POT EXTR HYD	mg/L	1.90	1.00	0.30	1.07
CHEMICAL OXYGEN DEMAND	176E	350.00	260.00	270.00	293,33
BIOCHEMICAL OXYGEN DEMAN UG/L	Z/gn	142.00	148.00	188.00	159.33
TOTAL ORGANIC CARBON	mg/L	48.00	53.00	65.00	55,33
OIL & GREASE		8.40	6.20	10.60	8.40
AMMONIA	Ing/L	19.00	26.00	31.50	25.50
NITRATE	mg/L	0.16	0.10	<b>&lt;.1</b>	0.13
NITRITE	Ing/L	<.02	<.02	.02	0.02
TOTAL KJELDAHL NITROGEN	Ing/L	34.40	38.00	44.00	38.80
PHOSPHORUS ortho PO4	Ing/L	5.80	8.60	8.50	7.63
PHOSPHORUS	Ing/L	25.00	18.50	14.00	19.17
CYANIDE	Ing/L	0.01	0.01	0.01	0.01
CYANIDE free	mg/L				ERR
PHENOLS (EPA 604)	ng/L	19.00	4.70	<10	11.85
PHENOLS (MTH. 420)	ng/T	41.00	40.00	20.00	33.67
ARSENIC	ng/L	<100	<100	<100	<100
BARIUM	T/bn	396.00	<100	<100	396.00
CADMIUM	ng/T	<100	<100	<100	<100
CHROMIUM	T/bn	<100	<100	<100	<100
CHROMIUM Hexavalent	ng/T	<100	<100	<100	<100
COPPER	T/bn	<100	<100	<100	<100
IRON	T/bn	201.00	24820.00	312.00	8444.33
LEAD	T/bn	118.00	<20	<b>&lt;20</b>	118.00
MANGANESE	1/bn	117.00	<100	<100	117.00
MERCURY	ng/L	1.60	₽	7	1.60
NICKEL	ng/L	<100	<100	<100	<100
SILVER	ng/L	<10	<10	<10	<10
ZINC	T/bn	829.00	<50	<50	829.00
CALCIUM	mg/L	41.70	111.50	39.30	64.17
MAGNESIUM	mg/L	6.90	9.90	6.40	7.73
ALUMINUM	7/bn	139.00	2037.00	156.00	777,33
BERYLIUM	ng/L	<100	<100	<100	<100
BORON	ng/L	700.00	400.00	400.00	200.00

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	2.00						00.7/											78 6							
		270.00				753.00												00							
	26.00	84.00	45.00	476.00	157.00	53.00	5.10	<100	<100	<100	<100	309.00	2.00	0.80				2,00	•						
	mg/L	(TDS) mg/L	mg/L	mg/L	1/2m	umino Va 7.	uq.7.	ug/L	ug/L	T/bn	ng/L	ng/L	mg/L	ng/L	ng/L	J/gn	J/gn				ng/L	DEMAN mg/L	III J.	1/bn	nd/I
SITE 44 CONTINUED	CHLORIDE	Residue Filterable (TDS) mg/L	Residue Non (SS)	Residue	Specfic Conductance	SULFATE	SURFACTANTS	CORALT	MOLYBDENUM	TITANIUM	VANADIUM	ALK TOTAL	SULFIDES	1,1-DICHLOROETHANE	Chloroethane	Chlorotorm	Chlorodibromothane	1,4-Dichlorobenzene	trans-1,2-Dichloroethene	Methylene chloride	Tetrachloroethylene	BIOCHEMICAL OXYGEN DEMAN mg/L	Benzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene

POT EXTR HYD	1/bu	2.20	1.90	8.60				4.23
CHEMICAL OXYGEN DEMAND	17/2m	325.00	950.00	495.00			55	90.00
BIOCHEMICAL OXYGEN DEMAN		162.80	147.00	145.00			15	51.60
TOTAL ORGANIC CARBON	T/bu	75.00	61.00	26.00			•	54.00
OIL & GREASE		22.70	10.10	103.20	61.00	26.00	3,	50.60
APPICNIA	Ind/L	30.50	24.50	19.00				24.67
NITRAITE	T/Sm	0.02	0.12	<b>&lt;.1</b>	<b>&lt;.1</b>			0.07
NITRITE	T/pm	0.03	<.02	<.02				0.03
TOTAL KJELDAHL NITROGEN	mg/L	41.60	37.60	26.80			,	35.33
PHOSPHORUS ortho PO4	mq/L	13.75	10.80	8.60			•	11.05
PHOSPHORUS	Ind/L	18.50	21.50	30.00				23.33
CYANIDE		0.01	0.01	0.01				0.01
CYANIDE free	mq/L							ERR
PHENOLS (EPA 604)	7/bn	16.00	8.90	<10			2(	04.28
PHENOLS (MTH. 420)	7/bn	68.00	40.00	25.00			7	44.33
ARSENIC	7/bn	<100	<100	<100			•	<100
BARIUM	ng/L	<100	<100	<100			•	<100
CADMIUM	ng/L	<100	<100	<100			•	<100
CHROMIUM	ng/L	<100	<100	<100			•	<100
CHROMIUM Hexavalent	7/bn	<100	<100	<100			•	<100
COPPER	ng/L	<100	<100	<100			•	<100
IRON	ng/L	672.00	800.00	547.00			.9	73.00
LEAD	ng/L	<b>4</b> 50	<b>&lt;20</b>	<20				<b>4</b> 70
MANCANESE	ng/L	<100	<100	<100			•	<100
MERCURY	ng/L	2.20	1.20	<b>1</b>				1.70
NICKEL	ng/L	<100	<100	<100			•	<100
SILVER	ng/I	<10	<10	<10				<b>&lt;10</b>
ZINC	7/bn	113.00	137.00	<50			11	25.00
CALCIUM	T/bu	48.60	48.80	44.60			•	47.33
MAGNESIUM	邓元	8.30	8.00	8.40				8.23
ALUMINUM	ng/L	227.00	250.00	128.00			7(	01.67
BERYLIUM	ng/L	<100	<100 ·	<100			•	<100
BORON	ng/L	1050.00	00.009	1250.00			36	29.996

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SITE

BORON Dissolved	7/bn					ERR
CHLORIDE	mq/L	36.00	30.00	30.00		32.00
Residue Filterable (TDS)		500.00	290.00	476.00		422.00
Residue Non (SS)	mq/L	56.00				56.00
Residue	Ing/L	427.00	498.00			462.50
Residue Volatile	Ind/L	180.00	89.00	162.00		143.67
Specfic Conductance	orum	965.00	846.00	833.00		881.33
SULFATE	mg/L	79.00	15.00	37.00		43.67
SURFACTANTS	mq/L	0.40	11.00	8.00		6.47
COBALT	ng/L	<100	<100	<100		<100
MOLYBDENUM	ng/L	<100	<100	<100		<100
TITANIOM	nd/L	<100	<100	<100		<100
VANADIUM	ng/L	<100	<100	<100		<100
ALK TOTAL	7/bn	370.00	328.00	323.00		340.33
SULFIDES	T/pm	2.60	4.60	0.80		2.67
601						
1,4-Dichlorobenzene	7/bn	2.10	3.00	2.40	4.50	3.00
Methylene chloride	ng/L	09.0	1.10			0.85
Ethyl benzene	7/bn	2.20	2.50			2.35

SITE 46			AVERAGE
POT EXTR HYD	T/bu	56.80	56.80
CHEMICAL OXYGEN DEMAND	_	220.00	220.00
BIOCHEMICAL OXYGEN DEMAN		29.00	29.00
TOTAL ORGANIC CARBON	mg/L		
OIL & GREASE	IIG/L	103.20	103.20
AMONIA	mg/L		ERR
NITRATE	mg/L		ERR
MINIE THE PART OF THE PARTY.	III L		ERR
TOTAL MELLANIL NITROGEN			ERR
PROSPECTOR OF THE FUG			ERR
CVANTOR	1 to 1		NATE OF THE PROPERTY OF THE PR
CYANIDE free			ERK
	מפער		NVIII
_	T/bn	70.00	70.07
ARSENIC	T/bn	<100	<100
BARIUM	ng/L	<100	<100
CADMITUM	ng/L	<100	<100
CHROMIUM	7/bn	<100	<100
COPPER	7/bn	<100	<100
IRON	7/bn	1201.00	1201.00
LEAD	7/bn	76.00	76.00
MANGANESE	T/bn	<100	<100
MERCURY	T/bn	₽	<b>\_1</b>
NICKEL	T/bn	<100	<100
SILVER	T/bn	<10	<10
ZINC	T/bn	<50	<50
CALCTUM	mg/L	48.40	48.40
MAGNESIUM	mg/L	7.80	7.80
POTASSIUM	ng/L		ERR
SODIUM	mg/L		ERR
ICP METALS	mg/L		ERR
ALLMINUM	7/bn	203.00	203.00
BERYLIUM	ng/L	<100	<100
DOMEN	1 7 1		

BORON Dissolved CHLORIDE COUGR COUGR COUGR COUGR COUGR COUGR Residue Filterable (TDS) mg/L Residue Non: (SS) mg/L Residue Volatile mg/L Specfic Conductance umbo SULFATE SURFACTANTS mg/L COBALT COBALT COBALT UG/L COBALT UG/	SITE 46 CONTINUED			
TDS) mg L TDS) mg L TDS	ON Dissolved	ng/L		
CO BOLL STORY STOR	DRIDE	mg/L		
TDS) mg/L mg/L mg/L mg/L mg/L thene ug/L ug/L thene ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	æ	8		
TDS) mg/L mg/L mg/L mg/L mg/L mg/L thene ug/L ug/L ne ug/L ug/L ne ug/L	ORIDE			
thene ug true		mg/L		
Then and then and the angle angle and the angle and the angle and the angle angle and the angle angle and the angle angle and the angle angle angle angle an	idue Non. (SS)	mg/L		
thene ug the ug thene ug the ug thene ug the	idue	mg/L		
umho 130 130 130 130 130 130 130 130	idue Volatile	mg/L		
Then and the control of the control	cfic Conductance	orm		
thene ug trug trug trug trug trug trug trug t	FATE	mq/L		
TO UGA C C C C C C C C C C C C C C C C C C C	FACTANTS	mq/L	0.10	
ught ught thene ught ught ught ught ught ught ught ught	BIDITY	ď,		
ugh ugh ugh ugh ugh thene ugh ugh ugh	ALT	ng/L	<100	
ught ught ught ught ught ne ught ught ught	YBDENUM	ng/L	<100	
ught ught ught ught thene ught ught ught ught	ANIUM	ng/L	<100	
ugli mgli ugli thene ugli ugli ne ugli ugli	ADIUM	ng/L	<100	
mg/L ug/L ug/L thene ug/L ug/L ug/L ug/L	TOTAL	ng/L		
mg/L ug/L thene ug/L ug/L ne ug/L ug/L	FIDES	mg/L		
ug/L thene ug/L ug/L ne ug/L ug/L	NESIUM	III V		
ug/L thene ug/L ug/L mg/L ne ug/L 1 ug/L	DICHLOROETHENE	ng/L	52.00	
thene ug/L ug/L mg/L ne ug/L 1 ug/L	-DICHLOROETHANE	ng/L	199.00	
ug/L mg/L ne ug/L 1 ug/L	ns-1,2-Dichloroethene	ng/L	166.00	
mg/L ne ug/L 1 ug/L	nylene chloride	ng/L		
hane ug/L 1	rachloroethylene	mg/L		
ng/L	,1-Trichloroethane	ng/L	1309.00	
	THLOROETHYLENE	ng/L	479.00	

<100 <100 <100 <100

AVERAGE

ERR ERR 52.00 199.00 166.00 ERR ERR 1309.00

POT EXTR HYD	mg/L	7.30	7.30
CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN	阿万里	15000.00 8308.00	15000.00 8308.00
TOTAL ORGANIC CARBON	mg/L		ERR
OIL & GREASE	mg/L	13.40	13.40
AMMONTA	mg/L		ERR
NITRATE	邓九		ERR
NITRITE	邓元		ERR
TOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4	邓元		ERR
PHOSPHORUS	mg/L		ERR
CYANIDE	mg/L		ERR
•	mg/L		ERR
PHENOLS (EPA 604)	ng/L		ERR
PHENOLS (MTH. 620)	7/bn	725.00	725.00
ARSENIC	ng/L	<100	<100
BARIUM	7/bn	439.00	439.00
CADMITUM	ng/L	<100	<100
CHROMIUM	7/bn	<100	<100
COPPER	ng/L	239.00	239.00
IRON	7/bn	80160.00	80160.00
LEAD	ng/L	579.00	579.00
MANGANESE	ng/L	1205.00	1205.00
MERCURY	ng/L	₽	7
NICKEL	ng/L	530.00	530.00
SELENTUM	ng/L		ERR
SILVER	ng/L	10.00	10.00
ZINC	ng/L	851.00	851.00
CALCIUM	邓九	230.80	230.80
MAGNESTUM	7/500	17.60	17.60
POTASSIUM	ng/L		ERR
MOLICIA			ERR
ICP METALS	ng/L		ERR
ALUMINUM	ng/L	1576.00	1576.00
BERYLIUM	ng/L	<100	<100

SITE 47 CONTINUED			AVERAGE
BORON	nd/L		ERR
CHLORIDE	T/ba		ERR
COLOR	8		ERR
FLUORIDE	mg/L		ERR
Residue Filterable (TDS)	mg/L		ERR
Residue Non: (SS)	mg/L		ERR
Residue	mg/L		ERR
Residue Volatile	mg/L		ERR
Specfic Conductance	orum		ERR
SULFATE	ng/I		ERR
SURFACTANTS	ng/L	12.00	12.00
TURBIDITY	13		ERR
COBALT	ng/T		ERR
MOLYBDENUM	7/bn	301.00	301.00
TITANIOM	7/bn	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	7/bn		ERR
SULFIDES	mg/L		ERR
Residue Volatile	mg/L		ERR
1,1-DICHLOROETHANE	orm	5.70	5.70
1,4-Dichlorobenzene	ng/L	39.00	39.00
trans-1,2-Dichloroethene	ng/L	6.70	6.70
Methylene chloride	7/bn	32.00	32.00
Tetrachloroethylene	7/bn	7.00	7.00
1,1,1-Trichloroethane	7/bn	14.00	14.00
TOLUENE	ng/T	<b>&lt;.</b> 3	E.>
Benzene	ng/L	<b>&lt;.</b> 5	<.5
1,2-dichlorobenzene	T/but	<1	₽
1,3-Dichlorobenzene	ng/L	<b>&lt;.</b> 5	<.5
1,4-Dichlorobenzene	ng/L	<b>&lt;.7</b>	<b>C.</b> >
Ethyl benzene	ng/L	<b>&lt;.3</b>	K.>
Toluene	mcg	<b>&lt;.</b> 3	K.>
CHOLOROBENZENE	mcg	9.>	9.>

SITE 48			AVERAGE
POT EXTR HYD	mg/L	2.90	2.90
CHEMICAL OXYGEN DEMAND	mg/L	750.00	750.00
BIOCHEMICAL OXYGEN DEMAN	mg/L	138.00	138.00
TOTAL ORGANIC CARBON			ERR
OIL & GREASE	mg/L	13.60	13.60
AMMONTA	mg/L		ERR
NITRATE			ERR
NITRITE	mg/L		ERR
TOTAL KJELDAHL NITROGEN	17/5m		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	mg/L		ERR
CYANTDE	阿克		ERR
	mg/L		ERR
PHENOLS (EPA 604)	7/6n		ERR
	7/5n	35.00	751.00
ARSENIC	ng/L	<100	<100
BARTUM	ng/I	<100	<100
CADMIUM	7/bn	<100	<100
CHROMIUM	ng/L	<100	<100
COPPER	7/bn	<100	<100
IRON	7/bn	3861.00	3861.00
LEAD	ng/L	<20	<20
MANGANESE	7/bn	274.00	274.00
MERCURY	7/bn	₽	₽
NICKEL	ng/L	<100	<100
SILVER	ng/L	<10	<10
ZINC	ng/L	<50	<50
CALCIUM	III J	99.20	99.20
MACANESTUM	mg/L	3.90	3.90
ALOMINOM	T/gn	<100	<100
BERYLIUM	ng/L	<100	<100
BORON	ng/I		ERR

CONTINUED
48
ILE

ERR ERR ERR	ERR ERR 981.00 ERR	ERR ERR ERR 3.40	ERR <100 <100 <100 <100 ERR ERR	ERR 93.00 ERR ERR 5.30
		3.40	<pre>&lt;100 &lt;100 &lt;100 &lt;100 &lt;100</pre>	93.00
solved	ilterable (TDS) on:(SS)	oratile onductance rs	COBALT MOLYBDENUM UG/L TITANIUM UG/L VANADIUM UG/L ALK TOTAL SULFIDES MG/L ARSENIC UG/L	trans-1,2-Dichloroethene ug/I Methylene chloride Tetrachloroethylene ug/I 1,1,1-Trichloroethane ug/I

SITE 49			AVERAGE
POT EXTR HYD	mg/L		ERR
CHEMICAL OXYGEN DEMAND	配元	00.009	600.00
BIOCHEMICAL OXYGEN DEMAN	_	45.00	45.00
TOTAL ORGANIC CARBON			ERR
OIL & GREASE	mg/L	1.60	1.60
AMMONTA			ERR
NITRATE			ERR
NITRITE	mg/L		ERR
TOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	邓元		ERR
CYANIDE	mg/L		ERR
CYANIDE free	mg/L		ERR
PHENOLS (EPA 604)	7/bn		ERR
PHENOLS (MTH. 420)	ng/L	17.00	17.00
ARSENIC	7 Jbn	<100	<100
BARIUM	7/bn	214.00	214.00
CADMITUM	ng/T	<100	<100
CHROMIUM	7/bn	<100	<100
COPPER	ng/L	<100	<100
IRON	ng/L	725.00	725.00
LEAD	7 Jbn	<20	<20
MANGANESE	ng/I	124.00	124.00
MERCURY	ng/L	₽	₽
NICKEL	7/bn	<100	<100
SILVER	ng/L		ERR
ZINC	ng/L	<50	<50
CALCIUM	mg/L	74.40	74.40
MACNESIUM	邓九	1.50	1.50
ALUMINUM	7 Ton	<100	<100
BERYLIUM	ng/L	<100	<100
BORON	ı√an		ERR

										20								
										1.20								
	mq/L	8	mq/L	ing/L	T/pm	mq/L	mq/L	umho	mq/L	mq/L	,5	nd/L	ng/L	nd/I	nd/L	nd/L	mg/L	
SITE 49 CONTINUED	CHLORIDE	COLOR	FLUORIDE	Residue Filterable (TD)	Residue Non (SS)	Residue	Residue Volatile	Specfic Conductance	SULFATE	SURFACTANTS	TURBIDITY	COBALT	MOLYBDENUM	TITANIUM	VANPOTUM	ALK TOTAL	SULFIDES	
																2	18	

5
mg/L mg/L
/L 0.02
/L <100
7
<u>ک</u> .
/L <100

900.00 ERR 61.33 ERR 516.67 ERR 490.33 142.33 740.00 34.00 9.50 9.50 ERR <100 <100 <100 2.10	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
22.00 420.00 399.00 114.00 591.00 46.00 15.00 <100 <100 <100	
400.00 12.00 460.00 103.00 475.00 46.00 0.50 (100 (100 (100 (100 0.40	
1400.00 150.00 670.00 210.00 1154.00 1154.00 13.00 (100 (100 (100 (100 274.00 2.20 2.20 2.10 1.30	, , , , , , , , , , , , , , , , , , ,
Dome of the property of the pr	mcg mcg mcg mcg mcg mcg mcg
BORON BORON Dissolved CHLORIDE COLOR FLUORIDE Residue Filterable (7 Residue Non (SS) Residue Volatile Specfic Conductance SULFATE SURFACTANTS TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES Methylene chloride Tetrachloroethylene	BROMODICHLOROMETHANE BROMOMETHANE BROMOMETHANE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE 2-CHLOROETHYIVINYL ETHER CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,2-DICHLOROBENZENE

SITE 50 CONTINUED

<.5	<b></b> >	6.>	<b>**</b>	<b>6.3</b>	<b>6.3</b>	5.5	<b>6.3</b>	<.5	<.5	<.5	9.>	5.5	<.5	<.5	<b>*.</b> *	6.>		5.5	5.5	<b>7.</b> >	<b>**</b> 3	<b>&lt;.3</b>	₽	9.
<b>&lt;.5</b>	<b>&lt;.7</b>	6.>	٧.٧	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.5</b>	<b>&lt;.3</b>	<b>&lt;.</b> 5	<b>&lt;.5</b>	<b>&lt;.5</b>	9.>	<b>&lt;.5</b>	<b>&lt;.5</b>	<b>&lt;.5</b>	<b>4.4</b>	6.>		<.5	<b>&lt;.5</b>	<b>&lt;.7</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>4</b> 1	<b>*.</b> 6
mcg	acg.		mcg	mcg	mcg		ncg		PEN mcg			anc g	mcg	mcg		mcg		mq/L	7/bn	ng/L	1/bn	T/bn	i	nd/I
1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	DICHLORODI FLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 2-DICHLOROPROPEN	1,1,2,2-TETRACHLOROETHAN	TETRACHLOROETHANE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	VINYL CHLORIDE	602	Benzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Ethyl benzene	Toluene	1,2-DICHLOROBENZENE	CHLOROBENZENE

SITE 50 CONTINUED

SITE 51					AVERAGE
POT EXTR HYD	mq/L	6.70	<b>.</b> 3		6.70
CHEMICAL OXYGEN DEMAND	mg/L	580.00	450.00	145.00	391.67
BIOCHEMICAL OXYGEN DEMAN		151.00	43.00	162.00	118.67
TOTAL ORGANIC CARBON	mq/L	8.00	21.00	16.00	15.00
OIL & GREASE	mq/L	0.30	7.80		4.05
AMMONIA	mq/L	0.54	5.20	0.62	2.12
NITRATE	mq/L	0.86	0.14	0.84	0.61
NITRITE	mq/L	<.02	<.02	<.02	<.02
TOTAL KJELDAHL NITROGEN	mq/L	3.30	8.40	2.50	4.73
PHOSPHORUS ortho PO4	mg/L	0.30	2.20	0.34	0.95
PHOSPHORUS	mg/L	0.24	8.50	0.43	3.06
CYANIDE	mg/L	0.01	0.01	0.01	0.01
CYANIDE free					ERR
PHENOLS (EPA 604)		<10			<10
PHENOLS (MTH. 420)		10.00	20.00	<10	15.00
ARSENIC		<100			<100
BARIUM		<100			<100
CADMIUM		<100			<100
CHROMIUM		<100			<100
CHROMIUM Hexavalent		<50			<b>~20</b>
COPPER		<100			<100
IRON		<100			<100
LEAD		<b>&lt;20</b>			<b>&lt;20</b>
MANCANESE		<100			<100
MERCURY		マ			₽
NICKEL		<100			<100
SELENIUM		<b>&lt;10</b>			<b>&lt;10</b>
SILVER		<10			<10
ZINC		<100			<100
CALCIUM		41.00			41.00
MACANESTUM	mg/L	6.20			6.20
POTASSIUM	mg/L				ERR
Sodium	mg/L				ERR
ICP METALS	ng/L	00,			ERR
ALOMINOM	ng/r	<100			\n01>

SITE 51 CONTINUED					Α,	AVERAGE
BERYLIUM	ng/L Jou	<100	400.00	250.00		<100 366.67
BORON Dissolved	T/bn	) )		) ) )		ERR
CHLORIDE	1 PE 6	22.00	8.00	12.00	8.00	14.00
FLUORIDE	5 <b>5</b>					
Residue Filterable (TDS)		196.00	460.70	269.00	420.00	308.33
Residue Non (SS)						ERR
Residue	mg/L	208.00	<b>361.</b> 00	294.00	399.00	287.67
Residue Volatile	mg/L	30.00	103.00	84.00		72.33
Specfic Conductance	orum	341.00	475.00	368.00		394.67
SULFATE	T/bm	33.00	46.00	39.00		39.33
SURFACTANTS	III J	15.00	0.50	0.40	<b>&lt;.1</b>	5.30
TURBIDITY	2					ERR
COBALT	ng/L	<100				<100
MOLYBDENUM	ng/L	<100				<100
TITANIOM	ng/L	<100				<100
VANADIUM	T/bn	<100				<100
ALK TOTAL	III J	200.00	175.00	147.00		174.00
SULFIDES	mg/L	0.40	<b>&lt;.1</b>	<b>&lt;.1</b>		0.40
	ŧ.	0				Ġ
GHT ODOD T BOOM ONE THANK	7/58	0.00				0.00
CHLOROD I BROWNE I HENE	1 /Sm	06.0				06.0
601						
BROMOFORM	mcg	<b>7.</b> >				<b>7.</b> >
BROMOMETHANE	<b>⊞</b> cg	<b>6.</b> >				6.>
CARBON TETRACHLORIDE	mcg	<b>&lt;.</b> 5				<b>&lt;.</b> 5
CHLOROBENZENE	mcg	9.>				<b>9.</b> >
CHLOROETHANE		6.>				6.>
2-CHLOROETHYIVINYL ETHER	ar meg	6 <b>°</b> >				6.>
CHLOROFORM	ncg	e:				۳. ۲.
CHLOROMETHANE	mcg	8. <b>&gt;</b>				ω· ••
DIBROMOCHLOROMETHANE	mcg	6.9				6.>
I, Z-DICHLOROBENZENE	<b>I</b> ICg	₹				7

SITE 51 CONTINUED			AVERAGE
1,3-DICHLOROBENZENE	mcg	<.5	· · · · · · · · · · · · · · · · · · ·
1,4-DICHLOROBENZENE	mcg	<b>/.</b> >	<b>7.</b> >
<b>DICHLORODIFLUOROMETHANE</b>	mcg	6.>	6.>
1,1-DICHLOROETHANE	mcg	4.4	<b>7.4</b>
1,2-DICHLOROETHANE	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>
1,1-DICHLOROETHENE		<b>&lt;.3</b>	<b>&lt;.3</b>
TRANS-1, 2-DICHLOROETHENE		<b>&lt;.</b> 5	<b>&lt;.</b> 5
1,2-DICHLOROPROPANE	mcg	<b>&lt;.3</b>	<b>6.3</b>
CIS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.</b> 5	<b>.</b> 5
TRANS-1, 2-DICHLOROPROPEN		<b>&lt;.</b> 5	<b>.</b> 5
1,1,2,2-TETRACHLOROETHAN	mcg	<b>&lt;.</b> 5	<b>.</b> .5
TETRACHLOROETHANE	mcg	9*>	9.>
1,1,1-TRICHLOROETHANE	mcg	<*2	<b>.</b> .5
1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.</b> 5	<b>.</b> .5
TRICHLOROETHYLENE	mcg	<.5	<b>&lt;.</b> 5
TRICHLOROFLUOROMETHANE	mcg	<b>&lt;.4</b>	<b>4.4</b>
VINYL CHLORIDE	mcg	6.5	6.>
METHYLENE CHLORIDE	ncg	<b>6.4</b>	<b>***</b>
602			
Benzene	ng/L	<b>&lt;.</b> 5	<b>&lt;.</b> 5
1,3-Dichlorobenzene	T/bn	<b>&lt;.5</b>	<b>&lt;.</b> 5
1,4-Dichlorobenzene	ng/L	<b></b> >	<b>7.</b> >
Ethyl benzene	ng/L	<b>&lt;.3</b>	<b>&lt;.3</b>
Toluene	ng/L	<b>&lt;.</b> 3	<b>&lt;.3</b>
1,2-DICHLOROBENZENE		<1	₹
CHLOROBENZ ENE	7/bn	<b>?</b> .6	9.>

SITE 52			AVERAGE
POT EXTR HYD	mg/L	12.70	12.70
CHEMICAL OXYGEN DEMAND	mg/L		ERR
TOTAL ORGANIC CARBON	ng/L	116.00	116.00
OIL & GREASE	Ing/L	21.60	21.60
AMMONIA	mq/L	8.50	8.50
NITRATE	III / DIII	0.16	0.16
NITRITE	ING/L	90.0	90.0
TOTAL KJELDAHL NITROGEN	IIQ/L	14.80	14.80
PHOSPHORUS ortho PO4	mg/L	0.85	0.85
PHOSPHORUS	mg/L	1.00	1.00
CYANIDE	阿孔	0.03	0.03
CYANIDE free	Ing/L		ERR
PHENOLS (EPA 604)	ng/L	170.00	170.00
_	ng/L	580.00	280.00
ARSENIC	ng/T	<100	<100
BARIUM	7/bn	<100	<100
CADMIUM	ng/L	464.00	464.00
CHROMIUM	ng/L	<100	<b>&lt;100</b>
CHROMIUM Hexavalent	ng/L	<50	05°
COPPER	ng/L	147.00	147.00
IRON	ng/L	2333.00	2333.00
LEAD	ng/L	63.00	63.00
MANGANESE	ng/L	<100	<100
MERCURY	ng/L	<b>^</b> 1	₽
NICKEL	ng/L	<100	<100
SILVER	ng/L	<10	<10
ZINC	ng/L	304.00	304.00
CALCIUM	mg/L	43.30	43.30
MAGNESIUM	mg/L	09.9	09.9
POTASSIUM	mg/L		ERR
SODIUM	mg/L		ERR
ICP METALS	ng/L		ERR
ALUMINUM	ng/L	184.00	184.00
BERYLIUM	ng/I	<100	<100
BORON	7/bn	102000.00	102000.00

SITE 52 CONTINUED			AVERAGE
BORON Dissolved	ng/L		ERR
CHLORIDE	mq/L	8.00	8.00
COLOR	B,		ERR
FLUORIDE	mq/L		ERR
Residue Filterable (TDS)		770.00	770.00
Residue Non (SS)			ERR
Residue	mg/L	714.00	714.00
Residue Volatile	mg/L	524.00	524.00
Specfic Conductance	orum	1358.00	1358.00
SULFATE	mg/L	14.00	14.00
SURFACTANTS	mg/L	26.00	26.00
TURBIDITY	5		ERR
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIUM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		ERR
SULFIDES	mg/L	1.40	1.40
1.2-DICHLOROETHANE	uq/L	8.20	8.20
METHYLENE CHLORIDE	ng/L	10.00	10.00
1,1,1-TRICHLOROETHANE	ng/L	10.00	10.00

SITE 53			AVERAGE
POT EXTR HYD	mg/L	11.00	11.00
CHEMICAL OXYGEN DEMAND	mg/L	400.00	400.00
BIOCHEMICAL OXYGEN DEMAN	mg/L	45.00	45.00
TOTAL ORGANIC CARBON	mg/L		
OIL & GREASE	mg/L	13.80	13.80
AMMONIA	mg/L		ERR
NITRATE	mg/L		ERR
NITRITE	mg/L		ERR
ч	mg/L		ERR
PHOSPHORUS ortho PO4	mg/L		ERR
PHOSPHORUS	mg/L		ERR
CYANIDE	mg/L		ERR
CYANIDE free	T/bu		ERR
PHENOLS (EPA 604)	ng/L		ERR
PHENOLS (MTH. 620)	ng/L	30.00	30.00
ARSENIC	ng/L	<100	<100
BARIUM	ng/L	<100	<100
CADMITM	ng/L	<100	<100
CHROMIUM	ng/L	<100	<100
CHROMIUM Hexavalent	ng/L		ERR
COPPER	ng/L	175.00	175.00
IRON	ng/L	313300.00	313300.00
LEAD	ng/L	<20	<20
MANCANESE	ng/T	16800.00	16800.00
MERCURY	ng/L	2.60	2.60
NICKEL	ng/L	<100	<100
SELENIUM	ng/T	<10	<10
SILVER	ng/L	<10	<10
ZINC	ng/L	514.00	514.00
CALCIUM	mg/L	166.40	166.40
MAGNESIUM	mg/L	184.80	184.80
POTASSIUM	mg/L		ERR
MUIGOS	mg/L		ERR
ICP METALS	ng/L		ERR
ALUMINOM	ıd√r	001>	001>

	300
1	5
Ĉ	3
G	0
E	7

AVERAGE	<pre>&lt;100 ERR ERR ERR ERR ERR ERR ERR ERR ERR E</pre>	1.20 45.00 1.50 0.80 ERR	, , , , , , , , , , , , , , , , , , ,
	37.00		
	15.00		
	<100 1.40 <100 <100 <100 <100 <100 0.40 0.40	1.20 45.00 1.50 0.80	, , , , , , , , , , , , , , , , , , ,
	(S 1, 20 1, 20	7.6n 7.6n 3.7 7.6n 3.7	ER BCG BCG BCG BCG BCG
SITE 53 CONTINUED	BERYLIUM BORON BORON Dissolved CHLORIDE COLOR FLUORIDE Residue Filterable (TDS) Residue Non (SS) Residue Volatile Specfic Conductance SULFATE SURFACTANTS TURBIDITY COBALT MOLYBDENUM TITANIUM VANADIUM ALK TOTAL SULFIDES	CHLOROFORM  1,3-DICHLOROBENZENE DICHLORODIFLUOROMETHANE TOLUENE	BROMOFORM BROMOMETHANE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE 2-CHLOROETHYTVINYL ETHER 1,4-DICHLOROBENZENE DIBROMOCHLOROMETHANE

AVERAGE	<1	<b>7.</b> 7	8.>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.3</b>	5.5	<b>5.</b> >	<.5	<.5	<.5	<.5	<b>6.4</b>	6.>	<.5		<.5	< <b>.</b> 5	<b>7.</b> >	<b>&lt;.3</b>	9.>	₽	<b>&lt;.3</b>
	<1	<b>6.4</b>	8.>	<b>&lt;.3</b>	<b>&lt;.3</b>	<b>&lt;.</b> 3	<.5	<.5	<.5	<b>&lt;.</b> 5	<.5	<b>&lt;.</b> 5	<b>***</b>	6.>	<.5		<.5	<b>&lt;.</b> 5	<b>7.&gt;</b>	<b>&lt;.3</b>	<b>9.</b> >	<b>&lt;</b> 1	<b>&lt;.</b> 3
	mcg	mcg	ncg	mcg	mcg	ncg	mcg.	<b>B</b> Cd	acg.	ncg.	mcg.	mcg	mcg	<b>a</b> cg	mg/L		mq/L	T/bn	T/bn	7/bn	mg/L	i	
SITE 53 CONTINUED	1,2-DICHLOROBENZENE	1,1-DICHLOROETHANE	CHLOROMETHANE	1,2-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 3-DICHLOROPROPEN	1,1,2,2-TETRACHLOROETHAN	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRI CHLOROFLUOROMETHANE	VINYL CHLORIDE	TRANS-1, 2-DICHLOROETHENE	602	Benzene	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	Toluene	CHLOROBENZENE	1,2-DICHLOROBENZENE	ETHYLBENZENE

NITERATE         mg/L         ERR           NITERATE         mg/L         ERR           NITERATE         mg/L         ERR           PHOSPHORUS         mg/L         ERR           PHOSPHORUS         mg/L         ERR           PHOSPHORUS         mg/L         ERR           CYANIDE         mg/L         ERR           CYANIDE         mg/L         870.00         870.00           PHENOLS (MTH. 420)         ug/L         407.00         407.00           ARSENIC         ug/L         4100         407.00           ARSENIC         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           COPPER         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           CHROWIUM         ug/L         4100         407.00           CHROWIUM         ug/L         4100         4100           CHROWIUM         ug/L	POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN TOTAL ORGANIC CARBON OIL & GREASE AMMONIA	7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 6 1 7 5 7 5 6 1 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	211.20 1150.00 183.00 568.00	11. 2. 6.	211.20 1150.00 607.00 ERR 568.00
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SITE 54 CONTINUED			AVERAGE
BERYLIUM	ng/L	<10	<10
BORON	ng/L		ERR
BORON Dissolved	ng/L		ERR
CHLORIDE	mg/L		ERR
COLOR	5		ERR
	mg/L		ERR
Residue Filterable (TDS)	mg/L		ERR
Residue Non (SS)	mg/L		ERR
Residue	mg/L		ERR
Residue Volatile	Ing/L		ERR
Specfic Conductance	orum		ERR
SULFATE	mg/L		ERR
SURFACTANTS	mg/L	32.00	32.00
TURBIDITY	<b>. E</b>		ERR
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIOM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		ERR
SULFIDES	mg/L		ERR
1 1 DICHI OBORMUNE	£ 2:	0	
TITION CHOSEN	ין די	00.0	09.0
METHYLENE CHLORIDE	ng/L	06.7	7.90
1,1,1-TRICHLOROTHANE	ng/L	9.30	9.30
601			
BROMODICHLOROMETHANE	mcg	4.4	4.
BROMOFORM	mcg	<b></b> 7	<b>7.</b> >
BROMOMETHANE	mcd	6.>	6.>
CARBON TETRACHLORIDE	mcg.	<b>&lt;.5</b>	<.5
CHLOROBENZENE	ncg	<b>9.</b>	9.>
CHLOROETHANE	mcg	6.>	6.>
2-CHLOROETHYIVINYL ETHER	mcg	6.>	6.>
CHLOROFORM	mcg	<b>&lt;.3</b>	<b>&lt;.3</b>
CHLOROMETHANE	mcg	8. >	8.>

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	acg acg	mcg mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	mcg	1
SITE 54 CONTINUED	DIBROMOCHLOROMETHANE 1,2-DICHLOROBENZENE	1,3-DICHLOROBENZENE	DICHLORODI FLUOROMETHANE	1,2-DICHLOROETHANE	1,1-dichloroethene	TRANS-1, 2-DICHLOROETHENE	1,2-DICHLOROPROPANE	CIS-1, 3-DICHLOROPROPENE	TRANS-1, 2-DICHLOROPEN	1,1,2,2-TETRACHLOROETHAN	TETRACHLOROETHYLENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	TOTAL STATE

602 Benzene 1,3-DICHLOROBENZENE	acg acg	, , , ? . ? .	
Į	mcg	· · · · · · · · · · · · · · · · · · ·	;;
	mcg	<b>9.</b> •••	9.>
	mcg	<b>.</b> 3	<b>6.3</b>
., 2-DICHLOROBENZENE	mcg	7	<b>\_1</b>

SITE 55 CONTINUED		
BORON	nd/L	
BORON Dissolved	ng/L	
CHLORIDE	T/bu	
COLOR	B	
FLUORIDE	mg/L	
Residue Filterable (TDS)	mg/L	
Residue Non (SS)	mg/L	
Residue	mg/L	
Residue Volatile	Ing/L	
Specfic Conductance	orum	
SULFATE	mg/L	
SURFACTANTS	mg/L	48.00
TURBIDITY	13	
COBALT	ng/L	<100
MOLYBDENUM	ng/L	<100
TITANIOM	ng/L	<100
VANADIUM	ng/L	<100
ALK TOTAL	mg/L	
SULFIDES	mg/L	

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ALK TOTAL SULFIDES	ing in the second secon		ERR
BROMODICHLOROMETHANE	ng/L	8.40	8.40
	ng/L	0.80	0.80
PROPANE	ng/L	9.10	9.10
	ng/L	3.70	3.70
CHLOROFORM	ng/L	1.20	1.20
	ng/L	11.00	11.00
ENE	ng/L	11.00	11.00
	ng/L	2.00	2.00
	ng/L	2.40	2.40
NE SE	T/bn	76.00	76.00
	ng/L	28.00	28.00
TOLUENE	ng/L	0.09	6.00

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BCG BCG BCG BCG			ECG ECG		2 2	į	NE mcg	900 900 900 900 900 900 900
601 BROWOFORM BROWOMETHANE CHLOROBENZENE 2—CHLOROETHYIVINYL, ETHER	DIBROMOCHLOROMETHANE 1, 2-DICHLOROBENZENE 1, 2, DICHLOROBENZENE	1,3-blchlorobenzene 1,4-blchlorobenzene bichlorobifluoromethane	1,1-bichloroethane 1,2-bichloroethane 1,1-bichloroethene	TRANS-1, 2-DICHLOROETHENE 1, 2-DICHLOROPROPANE	CIS-1,3-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPEN 1 1 2 2-TETTPACHIOROFTHAN	1,1,2-TRICHLOROETHANE TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE VINYL CHLORIDE	602 Benzene 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE ETHYLBENZENE 1,2-DICHLOROBENZENE

408.00	4250.00	897.00	ERR	504.00	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	40.00	<100	<100	ERR	132.00	ERR	249.00	2477.00	89.00	147.00	₽	<100	<10	<10	321.00	72.00	10.40	ERR	ERR	ERR
408.00	4250.00	897.00		504.00										40.00	<100	<100	766.00	132.00		249.00	2477.00	89.00	147.00	7	<100	<10	<10	321.00	72.00	10.40			562 00
			mg/L	mg/L	II. J.	mg/L	mg/L		mg/L	mg/L	mg/L	mq/L	ng/L	1/bn	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	mg/L	mg/L	mg/L	mg/L	ug/L
POT EXTR HYD	CHEMICAL OXYGEN DEMAND	BIOCHEMICAL OXYGEN DEMAN	TOTAL ORGANIC CARBON	OIL & GREASE	AMMONIA	NITRATE	NITRITE	TOTAL KJELDAHL NITROGEN	PHOSPHORUS ortho PO4	PHOSPHORUS	CYANIDE	CYANIDE free		PHENOLS (MTH. 420)	ARSENIC	BARIUM	CADMIUM	CHROMIUM	CHROMIUM Hexavalent	COPPER	IRON	LEAD	MANCANESE	MERCURY	NICKEL	SELENIUM	SILVER	ZINC	CALCIUM	MAGNESIUM	POTASSIUM	SODIUM	ICP METALS

SITE 56 CONTINUED			AVERAGE
BERYLIUM	ng/L	<100	<100
BORON	ng/L		ERR
BORON Dissolved	ng/L		ERR
CHLORIDE	mg/L		ERR
COLOR	8		ERR
FLUORIDE	mg/L		ERR
Residue Filterable (TDS)	Ing/L		ERR
Residue Non (SS)	mg/L		ERR
Residue	mg/L		ERR
Residue Volatile	mg/L		ERR
Specfic Conductance	umho		ERR
SULFATE	mg/L		ERR
SURFACTANTS	IIIG/L	440.00	440.00
TURBIDITY	2		ERR
COBALT	7/bn	<100	<100
MOLYBDENUM	7/bn	<100	<100
TITANIOM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		ERR
SULFIDES	mg/L		ERR
METHYLENE CHLORIDE	ng/L	46.00	6.>
TETRACHLOROETHYLENE	mcg.	22.00	
<b>BROMODICHLOROMETHANE</b>	<b>m</b> cq	<b>4.4</b>	4.4
BROMOFORM	mcg	<b></b> >	<b>7.</b> >
BROMOMETHANE	mcg	6.>	6.>
CARBON TETRACHLORIDE	ncg	<b>&lt;.</b> 5	<.5
CHLOROBENZENE	mcg	<b>9.</b> >	9.>
CHLOROETHANE		6.>	6.>
2-CHLOROETHYIVINYL ETHER		6.>	6.>
CHLOROFORM	mcg	<b>&lt;.</b> 3	<b>&lt;.3</b>
DIBROMOCHLOROMETHANE	mcg	6.>	6.>
1,2-DICHLOROBENZENE	ncg	4	₽
1,3-DICHLOROBENZENE	mcg	<b>&lt;.</b> 5	<.5

SITE 56 CONTINUED			AVERAGE
1,4-DICHLOROBENZENE	BCg	<b></b> >	7 /
DICHLORODI FLUOROMETHANE	mcg.	6.>	· · ·
1,1-DICHLOROETHANE	<b>B</b> CG	<b>&lt;.4</b>	
CIS-1, 3-DICHLOROPROPENE		<b>^.</b> 5	* <b>(</b> * <b>\</b>
TRANS-1, 2-DICHLOROPROPEN		<b>&lt;.</b> 5	. v
TETRACHLOROETHYLENE		<b>9. ?</b>	· ·
1,1,2,2-TETRACHLOROETHAN		<b>~.</b> 5	, v
1,1,1-TRICHLOROETHANE		<b>~.</b> 5	, v
1,1,2-TRICHLOROETHANE	mcg.	<b>~.</b> 5	, v
TRICHLOROETHYLENE	mcg	<b></b> 5	) tr
TRICHLOROFLUOROMETHANE	ncg.	<b>4.</b> 4	4 ^
VINYL CHLORIDE	mcg	6.>	6.>
602			
Benzene	mcg	·.5	\ \
1,3-DICHLOROBENZENE	inc <sub>g</sub>	<.5	, r
1,4-DICHLOROBENZENE	mcg	<b>7.</b> >	
CHLOROBENZENE	mcg	<b>4.6</b>	• • •
ETHYLBENZENE	mcg	<b>**</b> 3	» m
1,2-dichlorobenzene	mcg	<1	
TOLUENE	mcg	<b>&lt;.3</b>	÷, >

SITE 56 CONTINUED

AVERAGE	

	ma.7.	145.60	145.60
FOI EALS GEORGE		10.00	10.00
CHEMICAL UXIGEN DEPART		222.00	222.00
BIOCHEMICAL UNIGEN DEFEN		) 	ERR
TOTAL ORGANIC CARBON	1 / T	156 80	156.80
OIL & GREASE	בו לינו	99:001	ERR
AMMONTA	וואק/בו היי		ERR
NITRATE	1/5		ERR
NITRITE	יי אַנַ		ERR
TOTAL KJELDAHL NITKUEN			ERR
PROSPROKUS OLUTO FOR			ERR
CVANTOE	mq/L		ERR
CVANTDE free	mq/L		ANG CONTRACTOR OF THE CONTRACT
purant (FDA 604)	ng/L		PKE STORY
_	ng/L	227.00	227.00
•	ng/L	<100	
BARTUM	ng/L	<100	136 00
CADMIUM	ng/T	135.00	133.00
CHROMIUM	7/bn	<100	REE COTY
CHROMIUM Hexavalent	7/bn	( ) ( )	165.00
COPPER	J/bn	165.00	5107.00
IRON	ng/r	510/.00	293.00
LEAD	ng/L	293.00	214.00
MANGANESE	ng/r	214.00	41
MERCURY	ng/r	17	100
NICKEL	ng/r	\\\	<10
SILVER	ng/L	411 00 411 00	471.00
ZINC	ng/r	4/1.00	48.80
CALCIUM	7/5		7.90
MAGNESIUM	ng/L	06./	ERR
POTASSIUM	mg/L		ERR
Molos	1/5m		ERR
ICP METALS	ng/r	00 700	234.00
ALUMINUM RERYT, TIM	7/bn 1/bn	<100 <100	<100
	ì		

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57 88
SITE

BORON Dissolved CHLORIDE COLOR	T bin T bin T bin D		ERR ERR ERR
FLUORIDE Residue Filterable (TDS)			ERR
Non (SS)			ERR
Residue	mg/L		ERR
Residue Volatile	mg/L		ERR
Specfic Conductance	orlim		ERR
SULFATE	mg/L		ERR
SURFACTANTS	mg/L	4.90	4.90
TURBIDITY	13		6.>
COBALT	ng/L	<100	<100
MOLYBDENUM	ng/L	<100	<100
TITANIOM	ng/L	<100	<100
VANADIUM	ng/L	<100	<100
ALK TOTAL	mg/L		ERR
SULFIDES	II. Z. Z.		ERR
1,1-DICHLOROETHENE	ng/L	11.00	11.00
1,2-DICHLOROETHANE	ncg	4.30	4.30
	ng/L	14.00	14.00
601			
BROMODICHLOROMETHANE	mcg	<b>&lt;.4</b>	<b>7.4</b>
BROMOFORM	mcg	<b>7.&gt;</b>	<b>7.</b> >
BROMOMETHANE	mcg	6.>	6.>
CARBON TETRACHLORIDE	ncg	<b>&lt;.5</b>	<.5
CHLOROBENZENE	acg.	9.>	9.>
CHLOROETHANE	mcg	6.>	6.>
2-CHLOROETHYIVINYL ETHER		6.>	6. >
CHLOROFORM	mcg	<b>&lt;.3</b>	<b>6.3</b>
CHLOROMETHANE	mcg	<b>8.</b> >	8. >
DIBROMOCHLOROMETHANE	mcg	6.>	6.>

## SITE 57 CONTINUED

1,2-DICHLOROBENZENE	mcg	<1 _	₽,
1,3-DICHLOROBENZENE	mcg	<b>``</b> 2	·.5
1,4-DICHLOROBENZENE	mcg	<b>C.</b> >	<b>6.7</b>
<b>DICHLORODIFLUOROMETHANE</b>	mcg	6.>	o. •
1,1-DICHLOROETHENE	mcg	<b>&lt;.3</b>	<b>.</b> 3
1,2-DICHLOROPROPANE	mcg	<b>&lt;.3</b>	<b>.</b> 3
trans-1,2-DICHLOROETHENE	mcg	<b>&lt;.</b> 5	·.5
CIS-1, 3-DICHLOROPROPENE	mcg	<b>&lt;.5</b>	·.5
TRANS-1, 2-DICHLOROPROPEN	mcg	<b>&lt;.5</b>	<b>.</b> 5
1,1,2,2-TETRACHLOROETHAN	mcg	<b>&lt;.5</b>	<b>.</b> 5
1,1,2-TRICHLOROETHANE	mcg	<b>&lt;.5</b>	<b>.</b> 5
<b>TETRACHLOROETHYLENE</b>	mcg	9.>	<b>9. \</b>
TRICHLOROETHYLENE	mcg	<b></b> 5	<b>.</b> 5
TRICHLOROFLUOROMETHANE	mcg	<b>***</b>	<b>4.4</b>
VINYL CHLORIDE	mcg	6.>	<b>6.</b> >
602			
Benzene	mcg	<b>&lt;.5</b>	<b>.</b> 5
1,3-DICHLOROBENZENE	mcg	<b></b> 5	<b>.</b> 5
1,4-DICHLOROBENZENE	mcg	<b>.</b> .>	<b>7.</b> >
CHLOROBENZENE	mcg	9*>	<b>9.</b>
ETHYLBENZENE	mcg	<b>6.3</b>	e.,
1,2-DICHLOROBENZENE	mcg	₽	₽

SITE 58			AVERAGE
POT EXTR HYD	mg/L	103.20	103.20
SIOCHEMICAL OXYGEN DEMAN		525.00	525.00
IOTAL ORGANIC CARBON	III J		ERR
OIL & GREASE	T/pm	110.40	110.40
AMMONIA	mg/L		ERR
NITRATE	mg/L		ERR
NITRITE	mg/L		ERR
IOTAL KJELDAHL NITROGEN	mg/L		ERR
PHOSPHORUS ortho PO4	mg/t		ERR
PHOSPHORUS	mg/L		ERR
TANTOE FOOD	mg/L		EKK
	ייל אַנּינ ייל אַנינ		XXII C
_	ng/I	109.00	109.00
ARSENIC	ug/L	<100	<100
BARIUM	ng/L	<100	<100
CADMIUM	ng/L	<100	<100
CHROMIUM	ng/L	<100	<100
<b>THROMIUM</b> Hexavalent	ng/L		ERR
COPPER	ng/L	<100	<100
IRON	ng/L	2221.00	2221.00
LEAD	ng/L	46.00	46.00
MANGANESE	ng/L	305.00	305.00
MERCURY	ng/L	₽	₹
NICKEL	ng/L	<100	<100
SELENIUM	ng/L	<10	<10
SILVER	ng/L	<10	<10
ZINC	ng/L	<100	<100
CALCIUM	mg/L	66.20	66.20
MAGNESIUM	mg/L	3.40	3.40
POTASSIUM	mg/L		ERR
SODIUM	mg/L		ERR
ALIMINIM	IIIQ/L	317 00	ERR 317 00
	י נ		00.110

<pre>&lt;100 EERR EERR EERR EERR EERR EERR EERR E</pre>	
<100 9.20 <100 <100 <100 <100	* * * * * * * * * * * * * * * * * * *
Tom Tom Tom Tom Tom Tom Tom Tom Tom Tom	mcg mcg mcg mcg mcg mcg mcg mcg
YLIUM ON Dissolved ON Dissolved ORIDE ORIDE idue Filterable idue Non (SS) idue Volatile cfic Conductance FATE FATE ALT YRDENUM ADIUM TOTAL FIDES	BROWODICHLOROMETHANE BROWOFORM BROWOFORM BROWOFORM CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE 2-CHLOROETHANE 2-CHLOROETHANE 1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE 1,4-DICHLOROBENZENE

SITE 58 CONTINUED

0.	, , , ,	v. , , , , , , , , , , , , , , , , , , ,	*	<pre></pre>
0. 4. % 0. 4. %	 	* * * * * * * * * * * * * * * * * * * *	* * * * * 7. 7. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	<.5 <.7 <.6 <.3
incg incg		necg necg	mcg mcg mcg	658 658 658 658 658
DICHLORODIFLUOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE	TRANS-1,2-DICHLOROPROPEN METHYLENE CHLORIDE 1,1,2,2-TETRACHLOROETHAN TETRACHLOROETHYLENE	1,1,2-TRICHLOROETHANE 1,1,1-trichloroethane TRICHLOROETHYLENE TRICHLOROFIUOROMETHANE VINYL CHLORIDE	602 Benzene 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE CHLOROBENZENE ETHYLBENZENE 1,2-DICHLOROBENZENE

SITE 58 CONTINUED

19.00 900.00 64.00 ERR	ERR ERR ERR ERR	ERR ERR ERR ERR	105.00 <100 <100 <100 <100	ERR <100 495.00 33.00 139.00	(100 (100 (100 85.30 8.80 ERR ERR	516.00 <100 ERR
19.00 900.00 64.00	00.04		105.00 <100 <100 <100 <100	<100 495.00 33.00 139.00	<100 <100 <100 85.30 8.80	516.00 <100
ND EMAN	Z Li		7 7 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			T/bn T/bn T/bn
POT EXTR HYD CHEMICAL OXYGEN DEMAND BIOCHEMICAL OXYGEN DEMAN TOTAL ORGANIC CARBON OTT & CERASE	AMONIA NITRATE NITRITE TOTAL KIELDAHL NITROGEN	PHOSPHORUS ortho PO4 PHOSPHORUS CYANIDE CYANIDE free	PHENOLS (420) ARSENIC BARIUM CADMIUM CHROMIUM	CHROMIUM Hexavalent COPPER IRON LEAD MANGANESE MERCIRY	NICKEL SILVER ZINC CALCIUM MAGNESIUM POTASSIUM SODIUM ICP METALS	ALUMINUM BERYLIUM BORON

CONTINUED
29
SITE

1,2-DICHLOROBENZENE mcg

ETHENE mcg  PROPENE mcg PROPEN mcg ANE	DICHLORODIFLUOROMETHANE	mcg.	0.>	6. ×
DICHLOROPROPANE mcg  1, 3-DICHLOROPROPENE mcg  NS-1, 2-DICHLOROPROPENE mcg  KYLENE CHLORIDE mcg  1, 2, 2-TETRACHLOROETHAN mcg  RACHLOROETHYLENE mcg  1, 1-trichloroethane mcg  CHLOROETHYLENE mcg  CHLOROETHYLENE mcg  CHLOROFLUOROMETHANE mcg  CHLOROFLUOROMETHANE mcg  CHLOROFLUOROMETHANE mcg  CHLOROFLUOROMETHANE mcg  CHLOROBENZENE mcg  DICHLOROBENZENE mcg  SENE  PICHLOROBENZENE mcg  WCG  DICHLOROBENZENE mcg  CHLOROBENZENE mcg	Œ		# LC \	
-1,3-DICHLOROPROPENE mcg NS-1,2-DICHLOROPROPENE mcg HYLENE CHLORIDE mcg ,2,2-TETRACHLOROETHAN mcg ,2,2-TRICHLOROETHANE mcg ,2-TRICHLOROETHANE mcg ,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROENZENE mcg DICHLOROBENZENE mcg -DICHLOROBENZENE mcg SROBENZENE mcg -DICHLOROBENZENE mcg SROBENZENE mcg -DICHLOROBENZENE mcg CHLOROBENZENE mcg -DICHLOROBENZENE mcg	•		.3	<b>6.3</b>
NS-1, 2-DICHLOROPROPEN mcg HYLENE CHLORIDE mcg ,2, 2-TETRACHLOROETHAN mcg RACHLOROETHYLENE mcg ,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROENZENE mcg DICHLOROBENZENE mcg Sene DICHLOROBENZENE mcg PDICHLOROBENZENE mcg CHLOROBENZENE mcg DROBENZENE mcg DROBENZENE mcg CHLOROBENZENE mcg	IS-1, 3-DICHLOROPROPENE	mcg	<.5	<b>.</b> .5
HYLENE CHLORIDE mcg ,2,2-TETRACHLOROETHAN mcg RACHLOROETHYLENE mcg ,2-TRICHLOROETHANE mcg ,1-trichloroethane mcg CHLOROFTHYLENE mcg CHLOROFTUOROMETHANE mcg CHLOROFLUOROMETHANE mcg YL CHLORIDE mcg DICHLOROBENZENE mcg -DICHLOROBENZENE mcg CROBENZENE mcg -DICHLOROBENZENE mcg CHLOROBENZENE mcg -DICHLOROBENZENE mcg	RANS-1, 2-DICHLOROPROPEN	mcg	<.5	<b>.</b> .5
,2,2-TETRACHLOROETHAN mcg RACHLOROETHYLENE mcg ,2-TRICHLOROETHYLENE mcg ,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg YL CHLORIDE mcg AL CHLORIDE mcg OROBENZENE mcg -DICHLOROBENZENE mcg	STHYLENE CHLORIDE	mcg	<b>**</b>	<b>4.4</b>
RACHLOROETHYLENE mcg ,2-TRICHLOROETHANE mcg ,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg CHLOROETHYLENE mcg YL CHLORIDE mcg DICHLOROBENZENE mcg DICHLOROBENZENE mcg OROBENZENE mcg CHLOROBENZENE mcg OROBENZENE mcg CHLOROBENZENE mcg	1, 2, 2-TETRACHLOROETHAN		<b>&lt;.5</b>	<b>.</b> .5
,2-TRICHLOROETHANE mcg ,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROFLUOROMETHANE mcg CHLORIDE mcg  Zene mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg OROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg	<b>STRACHLOROETHYLENE</b>	mcg	9*>	<b>9. \</b>
,1-trichloroethane mcg CHLOROETHYLENE mcg CHLOROFLUOROMETHANE mcg YL CHLORIDE mcg Zene mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg SYLBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg	1,2-TRICHLOROETHANE	mcg	<b>&lt;.5</b>	<b>.</b> .5
CHLOROETHYLENE mcg CHLOROFLUOROMETHANE mcg YL CHLORIDE mcg zene mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg ALBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg	1,1-trichloroethane	mcg	<.5	<b>.</b> .5
CHLOROFILDOROMETHANE mcg YL CHLORIDE mcg zene DICHLOROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg OROBENZENE mcg ALBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg	<b>RICHLOROETHYLENE</b>	mcg	<b>&lt;.5</b>	<b>.</b> .5
YL CHLORIDE mcg zene mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg OROBENZENE mcg YLBENZENE mcg -DICHLOROBENZENE mcg -DICHLOROBENZENE mcg	<b>LICHLOROFLUOROMETHANE</b>	mcg	<b>**</b>	4.4
zene  DICHLOROBENZENE mcg  DICHLOROBENZENE mcg OROBENZENE mcg Mcg YLABENZENE mcg Mcg PLAENZENE mcg Mcg ALAENZENE mcg	INYL CHLORIDE	mcg	6.9	<b>6.</b> >
BENZENE mcg BENZENE mcg E mcg E mcg mcg mcg mcg mcg	2			
BENZENE mcg BENZENE mcg E mcg mcg mcg mcg mcg secsory	inzene	mcg	<b>&lt;.5</b>	<b>.</b> .5
BENZENE mcg E mcg mcg mcg Mcg SENZENE mcg	3-DICHLOROBENZENE	mcg	<b>&lt;.5</b>	<b>&lt;.</b> 5
E mcg mcg mcg senziene mcg <	, 4-DICHLOROBENZENE	mcg	<b>L.&gt;</b>	<b>7.</b> >
BENZENE	ILOROBENZENE	mcg	9.>	9.
	HYLBENZENE	mcg	<b>&lt;.</b> 3	<b>.</b> .
	2-DICHLOROBENZENE	neg	<1	₽

SITE 59 CONTINUED

### APPENDIX H

INDUSTRIAL WASTEWATER BENCH SCALE LABORATORY RESULTS

Industrial Wastewater Bench Scale Laboratory Results

Parameter	Sample	25mg/L	50 mg/L	100 mg/L	150 mg/I	NAOH
Molybedium	<.10	<.10	<.10	<.10	<.10	<.10
Cobalt	<.10	<.10	<.10	<.10	<.10	<.10
Titanium	<.10	<.10	<.10	<.10	<.10	<.10
Beryllium	<.10	<.10	<.10	<.10	<.10	<.10
Magnesium	6.2	5.8	5.8	5.9	5.9	1.0
Calcium	42.1	38.9	39.4	39.5	40.5	37.8
Zinc	•335	.287	<.10	.129	.247	<.10
Copper	<.10	<.10	<.10	<.10	<.10	<.10
Nickel	<.10	<.10	<.10	<.10	<.10	<.10
Iron	3.345	2.390	.984	1.111	1.966	.352
Manganese	<.10	<.10	<.10	<.10	<.10	<.10
Chromium	<.10	<.10	<.10	<.10	<.10	<.10
Cadmium	.110	<b>&lt;.10</b>	<.10	٠ < • 10	<b>&lt;.10</b>	<.10
Vanadi um	<.10	<.10	<.10	<.10	<.10	<.10
Aluminum	<.10	1.54	1.16	2.50	7.00	<.10
Barium	<.10	<.10	<.10	<.10	<.10	<.10

APPENDIX I

VOLATILE ORGANIC RESULTS

## VOLATILE ORGANIC RESULTS (EPA Method 624)

Compound	Method Detection Limits (ug/L)	
cis-1,3-Dichloropropene	5	
2-Chloroethyl Vinyl Ether	10	
Bromoform	5	
2-Hexanoe	10	
4-Methyl-2-Penganone	10	
Tetrachloroethene	5	
Toluene	5	
Chlorobenzene	5 5 5 5 5	
Ethyl benzene	, ,	
•		
Styrene Xylenes (Total)	) E	
Chloromethane		
	10	
Bromomethane	10	
Vinyl chloride	10	
Chloroethane	10	
Methylene chloride	10	
Acetone	40	
Acrolein	20	
Acrylonitrile	5	
Carbon disulfide	5	
1,1-Dichloroethene	5 5 5	
1,1-Dichloroethane	5	
1,2-Dichloroethene	5	
Chloroform	5	
1,2-Dichloroethane	5	
Methylethyl ketone	10	
1,1,1-Trichloroethane	5	
Carbon Tetrachloride	5	
Vinyl acetate	10	
Bromodichloromethane	5	
1,1,2,2-Tetrachloroethane	5	
1,2-Dichloropropane	5	
trans-1,3-Dichloropropene	5 5 5 5	
Trichloroethene	5	
Dibromochloromethane	5	
1,1,2-Trichloroethane	5	
Benzene	5	

### EPA Method 625

Analyte(s)	Limits of Detection	
Diethyl Phthalate	1.9	
4-Chlorophenyl-phenylether	4.2	
Fluorene	1.9	
2-Methyl-4,6-dinitrophenol	24	
n-Nitrosodiphenylamine	1.9	
4-Bromophenylether	1.9	
Hexachlorobenzene	1.9	
Beta-BHC	4.2	
Pentachlorophenol	3.6	
Phenanthrene	5.4	
Anthracene	1.9	
delta-BHC	3.1	
Heptachlor	1.9	
Di-n-butyl phthalate	2.5	
Aldrin	1.9	
Heptachlor Epoxide	2.2	
Fluoranthene	2.2	
Pyrene	1.9	
Endosulfan I	20	
4,4'-DDE	5.6	
Benzidine	44	
Dieldrin	2.5	
4,4'-DDD	2.8	
Endosulfan II	20	
Endrin Aldehyde	20	
Benzyl-butylphthalate	2.5	
4,4'-DDT	4.7	
Endosulfan Sulfate	5.6	
Bis(2-ethylhexyl)phthalate	2.5	
N-Nitrosodimethylamine	5.0	
Phenol	1.5	
Bis(2-Chloroethyl)ether	5.7	
2-Chlorophenol	3.3	
1,3-Dichlorobenzene	1.9	
1,4-dichlorobenzene	4.4	
1,2-Dichlorobenzene	1.9	
Bis(2-Chloroisopropyl)Ether	5.7	
N-Nitrosodi-n-propylamine	3.0	
Hexachloroethane	1.6	

Analyte(s)	Limits of Detection	
Nitrobenzene	1.9	
Isophorone	2.2	
2-Nitrophenol	3.6	
2,4-Dimethylphenol	2.7	
1,2,4-Trichlorobenzene	1.9	
Napthalene	1.6	
Hexachlorobutadiene	0.9	
4-Chloro-3-methylphenol	3.0	
Hexachlorocylopentadiene	5.0	
2,4,6-Trichlorophenol	2.7	
2-Chloronaphthalene	1.9	
Dimethylphthalate	1.6	
2,6-Dinitotoluene	1.9	
Acenaphtylene	4.2	
Acenaphthene	1.9	
2,4-Dinitrophenol	42	
4-Nitrophenol	2.4	
2,4-Dinitrotoluene	5.7	
Benzo(a)anthracene	7.8	
Chrysene	2.5	
3,3-Dichlorobenzidine	16.5	
Di-n-octyl phthalate	2.5	
Benzo(b)fluoranthene	4.8	
Benzo(k)fluoranthene	2.5	
Benzo(a)pyrene	2.5	
Indeno(1,2,3-cd)pyrene	3.7	
Dibenzo(a,h)anthracene	2.5	
Benzo(ghi)perylene Chlordane	4.1	
	40	
Toxaphene Aroclor 1015	40 40	
Aroclor 1221	30	
Aroclor 1221 Aroclor 1232	40	
Aroclor 1242	40	
Aroclor 1242 Aroclor 1248	40	
Aroclor 1254	36	
Aroclor 1260	40	
1120420- 1600	70	

Appendix J
Sample Report of Analysis

# ATR FORCE OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY BROOKS AFB, TEXAS, 78235-5501

#### REPORT OF ANALYSIS

BASE SAMPLE NO: GN900001

SAMPLE TYPE: NON-POTABLE WATER

SITE IDENTIFIER: NOOXXX DATE RECEIVED: 900125

DATE COLLECTED: 900125 DATE REPORTED: 900209

SAMPLE SUBMITTED BY: 836 MEDICAL GROUP/SGPB

PRESERVATION GROUP E

DEHL SAMPLE NUMBER: 90005273

Test

Results

Units

Phenol

120

ug/L

Comments:

SAMPLE GAVE POSITIVE RESULTS FOR PHENOL BY BOTH SPA METHODS 420.1 AND 420.2.

This was a sample of Rinsolve submitted to AFOEHI/SA and placed in agreeous solution. Aqueous solution extracted and simplice for plunds, with result indicated,

Approved by:

Duryl 3. Bird, GS-12 Chief, Inorganic Analysis

TO:

AFOEHL/EQE

BROOKS AFB TX 78235-5501

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# Distribution List

HQ USAF/SGPA	Со	pies
Bolling AFB DC 20332-6188		2
HQ AFSC/SGP Andrews AFB DC 20334-5000		2
836 Medical Group/SGPB Davis-Monthan AFB AZ 85707-5300	-	3
836 CES/DEEV Davis-Monthan AFB AZ 85707-5000		3
HQ TAC/DEEV Langley AFB VA 23665-5578		2
HQ TAC/DEM Langley AFB VA 23665-5578		1
HQ TAC/SGPB Langley AFB VA 23665-5578		2
AAMRL/TH Wiight-Patterson AFB OH 45433-6573		1
7100 CSW Medical Center/SGB APO New York 09220-5300		1
OL AD, AFOEHL A <sup>3</sup> O San Francisco 96274-5000		1
USAFSAM/TSK/ED/EDH/EDZ Brooks AFB TX 78235-5301		1 ea
Lafense Technical Information Center (DTIC) Cameron Station		
Flexandria VA 22304-6145	7	2
HQ USAF/LEEV Lolling AFB DC 20330-5000	ä	2
n 2 AFESC/RDV I vndall AFB FL 32403-6001	í	2
HSD/XA Brooks AFB TX 78235-5000	1	ł
IQ AFESC/DEMM Tyndall AFB FL 32403-6001	1	

00-ALC/MME Hill AFB UT 84056-5000	1
OC-ALC/MME Tinker AFB OK 73145-5000	1
SA-ALC/MME Kelly AFB TX 78241-5000	1
SM-ALC/MME McClellan AFB CA 95652-5000	1
WR-ALC/MME Robins AFB GA 31098-5000	1